Pos-E-Kon™

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Customer Benefits

T Series

Pos-E-Kon™

Heavy Duty Multi-Circuit Rectangular Industrial Connectors

Quality Systems, Quality Parts
DIN EN ISO 9001 Systems.

Approvals:
DIN, IEC, VDE, UL, and CSA for world use.

Space Saving
Maximum circuits in minimum space – shaped to fit panels and machines.

Quick & Easy Housing Connections
Unique roller locking double lever handles.

Sealed Connections
Neoprene or HT-Viton housing assembly seals to IP65 for washdown duty.

Wiring In Any System
Standard NPT fittings provided, with many other cable or conduit entry options available.

Any Access Needed
Top, side and custom options, including ribbon cable.

Rough Service, Tough Duty
Die cast housings with hard-shell powder-coat finish.

Easy Circuit Location
Hot-stamped contact positions and catalog numbers.

Performance Plus
Standard (125°C) and 200°C interiors available.

Wiring Your Way
Standard Screw Terminal and Crimp Terminal Inserts, with Fiber Optic and other contacts also available.

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Series		Amperage @ 600VAC	Contacts + G	Page
A		10A	3/4, 10, 16, 32	I16
B		16A	6, 10, 16, 24, 32, 48	I18
C		35A	6, 12	I22
D		10A	7/8, 15, 25, 40, 50, 64, 80, 128	I24
DD		10A	24, 42, 72, 108, 144, 216	28
K		16A/80A	8 + 4, 16 + 8	I32
V		16A	3, 6, 10, 16, 20, 26, 32 (all +2)	I34
T		16A/200°C	6, 10, 16, 24 (200°C)	I38
M		spec	Modular	I41

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The FAQs About POS-E-KON™
The Most Frequently Asked Questions- and Answers-for POS-E-KON Customers

International Standards, Worldwide Use

Why?

Rectangular Circuit Interconnections

- Best use of space for multiple contacts in heavy duty housings.
- Easy to assemble with many different insert options.
- Best fit for easy access in panels, machinery, and enclosures.
- Sealed connector with quick disconnect handles.
- Wide variety of circuit possibilities from standard items.
- Solid or stranded wire in fixed or portable use.

Who?

- Machine tool OEMs.
- Material handling equipment OEMs.
- Robotics systems OEMs and installations.
- Packaging machinery OEMs and facilities.
- Control panels and PLC systems.
- Molding, assembly, or line machinery OEMs and facilities.
- Construction, mining, and welding apparatus.
- Carnival applications.

What?

- Servo controls.
- Sensing and feedback loops.
- Conveyor and process controls.
- Low power, DC, or logic systems.
- Combination power, system, and other circuits.
- Modular controls including fiber-optics connections.

Where?

Worldwide agency approvals and applications

- DIN VDE 0627/86, 0110/02.79, and 0110-1/04.97.
- IEC 60.664-1, DIN/IEC 512.
- UL recognized (E215386) and CSA certified
- Protection classes IP44 through IP65 per IEC 529.
- Component use in CE marked equipment OK per IEC Council Directive July 1999, 73/23/EEC.

How?

- Available from Thomas & Betts – POS-E-KON authorized distributors.
- T&B sales representatives and agents worldwide.

For U.S. Customer Service and Order Inquiries: Phone 800-816-7809, Fax 800-816-7810.
For International Service and Order Inquiries: Phone (U.S.) 901-252-5400, Fax 901-252-1330.
For U.S. Technical Services: Phone 888-862-3289, Fax 901-252-1321.
For International Technical Services: Phone (U.S.) 901-252-5000, enter 1, 6672.
For Canadian Customer Service and Order Inquiries: Phone 450-347-5318, Fax 450-347-1976.

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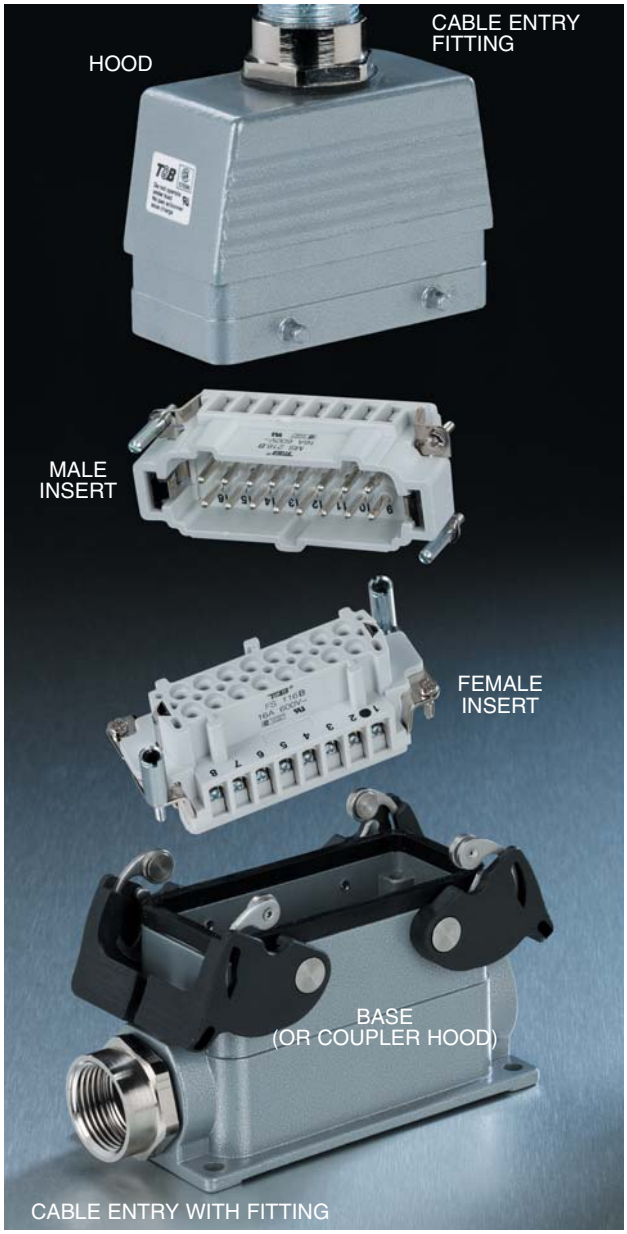
The Basic System: Build an Application

Step 1: – Maximum Voltage and amperage requirements (300V or 600V classes, 10-80 amps).
Step 2: – Number of contacts or circuits needed.
Step 3: – Choose wire terminations style; screw terminal or crimp contacts. Select series from charts.
Step 4: – Base (or Coupler) and Hood construction/mating selection per series (single or double levers).



As Easy As 1. 2. 3. 4.

1. Hood:
- Separable housing for inserts.
- Top or side conduit/wire entry.
- Standard locking posts, dual or single.
- Locks to Panel Base, Box Base or inline Coupler Hood

2. Base Housing (or Coupler Hood):
- Surface wall mount box base (shown).
- Panel Base for through-panel access.
- Coupler Hood mating for portable use.
- Single or dual “Lever” locking.

3. Male Insert
- Male contact carrier body.
- Screw terminal contacts (pins with wire protection saddles) or crimp terminated pins.

4. Female Insert
- Female contact carrier.
- Screw terminal contacts (sleeves with wire protection saddles) or crimp terminated sleeves.

DIN Standard Configurations

- Most inserts and housings are interface compatible with other DIN standard lines. Verify physical application before selecting cross reference.
- Pos-E-Kon construction includes standard NPT conduit adapters for hoods and bases, with many options available. DIN standard Hoods and Bases may have “Euro Style” PG fittings (or none) included unless specially ordered.

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Pos-E-Kon Insert Selector Chart

Pos-E-Kon™

S – Screw Terminals
C – Crimp Contacts
F – Fiber Optic (POF)
A – Terminal Block Wiring Adapter

Select the # of contacts – all inserts have separate ground contacts

AMPS	VOLTS	Series	3	4	6	7	8	10	12	15	16	20	24	25	26	32	40	42	48	50-216
10	50	D					C, F													
10	600	A	S	S																
16	600	A						S, C			S, C					S, C				
16	600	B			S, C, A			S, C, A			S, C, A		S, C, A			S, C			S, C	
35	600	C			S				S											
10	600	D				C, F				C, F				C, F			C, F, A			C, F, A (64)
10	600	DD											C, F					C, F		C, F
80/16	600	K		S			S	4 or 8 Power (80A alone or with 8 or 16 Control (16A) Combination Inserts												
16-T	600	T			S			S			S		S		High Temp (200 C)					
16-V	600	V	S, C		S, C			S, C			S, C	S, C			S, C	S, C	Includes 2 Pilot Contacts			
Modular	600	M	Configure to individual specs. Options: Fiber Optic, Power and Control Pin selections in sectional inserts. Contact Technical Services for Information.																	

I

Pos-E-Kon™

Screw Terminal / Insert Types (Integral Contacts)

Screw termination is used for ease of assembly, some heavier gauge wires plus ease of maintenance. No tooling beyond a screwdriver and wire strippers is required.

10 - 16A A, B, V, T	35A C	16 - 80A K

Crimp Terminal / Insert Types (Crimp Contacts)

Crimp terminals offer solid, thermally cool vibration resistant terminations for OEM equipment and critical applications. Better for smaller AWG sizes also. Crimp tools are noted in each section.

10A D & DD	16A A & B	5-50A M

16A A & B	10A D & DD	POF D &M	Signal 1.5 A M-CoAx	50 Amp M3	Stamped 16A M 4/5.1	20 Amp M5	5 Amp M20

- **All crimp types represented require contacts ordered separately.**
- **Each section contains hand crimp tool selection notes.**

NEW **Thermocouple compensated contacts (crimp) also available (Fe and Cu) for A & B series inserts. Contact Technical Services.**

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Screw Terminal Inserts

- Integral screw terminal contacts provide for easy terminal wiring, fast assembly.
- Standard wire protection saddles prevent cutting of strands during assembly.

Crimp Terminal Inserts

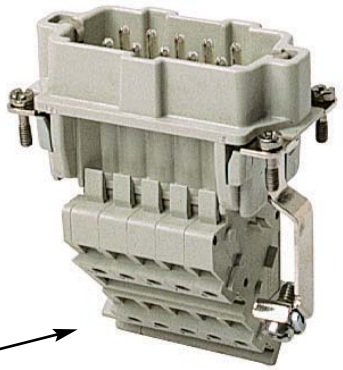
- Provides reliable connections for long-term configurations.
- Contact sizes accommodate wiring from 12 - 20 AWG.

- Made of durable glass fiber-filled thermoplastic.
- Contact numbers clearly marked for easy identification.
- Easily installed (male or female) in either hoods or bases using captive mounting screws.

Terminal Block Wiring Adapters

WAR, Right Ground Strap
WAL, Left Ground Strap

- Allows for measuring of circuit while in operation.
- Provide easy connections in panel mounting configurations.
- Labels available for easy identification of circuits.
- Can be mounted on DIN rails by using snap-on mount feet.
- Used in switch cabinets, panel enclosures or mounted in panel base housings – **see B and D series.**



WAM1 Marker Tab Clips
Snap-in formed label holder tabs allow terminal identification for **B** Series.

DIN Mounting Foot **FE807TB**

Insert Strip Blank – WAM1B
Insert Strip Nos. 1-64 – WAM1N64
Insert Strip Letters A-Z – WAM1AZ

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Hood and Base Housings

Pos-E-Kon™

- **Rugged cast aluminum hoods and bases:** Maximum performance in many operating conditions.
- **Various hood heights available:** Easier assembly and wiring with low, high and standard profiles.
- **Corrosion resistant finishes:** Optional special materials extend life in corrosive conditions.
- Locking possibilities include **single locking** system and **double locking** system.
- **Complete selection:** Flexible product designs (see Hood/Base Size Cross Reference Chart below).
- **Dust Covers and More:** See Adapters, Pgs. I11-I12 and Covers Pg. I10 (or Bases w/Covers) available in most series (Accessories pg. I68) see pgs. I69-I70 for all Adapter Plates.
- Custom Configurations: Multiple conduit entry/sizes and other configurations available to spec.

Cross Reference

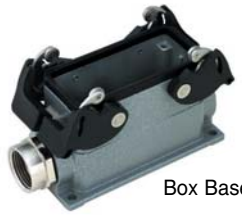
Series Application			Standard Hood/Base Housings									
AMPS	VOLTS	Series	A4	A10	A16	A32	B6	B10	B16	B24	B32	B48
10A	50	D	D8									
10A	600	A	A3, A4									
16A	600	A		A10	A16	A32						
16A	600	B					B6	B10	B16	B24	B32	B48
35A	600	C							C6		C12	
10A	600	D	D7	D15	D25	D50			D40	D64	D80	D128
10A	600	DD					DD24	DD42	DD72	DD108	DD144	DD216
80/16A	600	K								K4/8		K8/16
ModularM	600	M					M, B6	M, B10	M, B16	M, B24	M, B16	M, B24

Series Application			Special Series Hood/Base Housings									
16A-T▪	600	T					T6	T10	T16	T24		
16A-V*	600	V						V3	V6	V10		V32

*** Special isolation design allows additional control circuit capability.**

▪ Special high temperature series in Cu-Free Aluminum with special green epoxy powder-coat, Viton® seals.†

† Viton® is a trademark of DuPont Dow Elastomers.



Box Base

Top Cable Entry

Box Base Housing w/Single lever and spring cover. New: metal spring covers now available for B series, where noted.

Panel Base

Side Cable Entry

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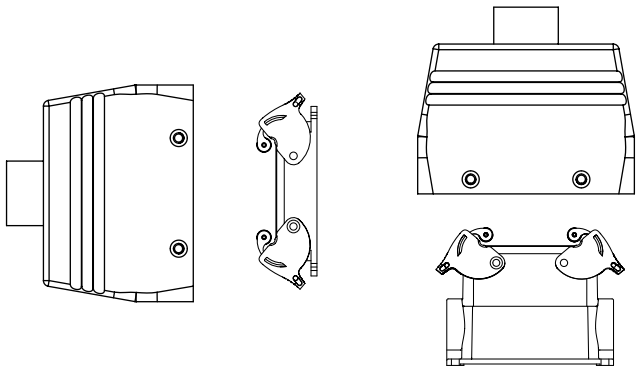
1. Select size (# of contacts) from each series' section left hand page chart (selected inserts), then look at corresponding right hand page columns.
2. Vertical columns note single or double locking systems available (double locking usually preferable).
3. Select base housings for mounting and/or function: conduit/cable entry, thru-panel access, inline coupler or reversed locking as shown. (Note profile height options.)
4. Select side or top entry hoods as shown. (Note profile height options.)
5. Review conduit and cable entry options (standard NPT adapter sizes for each series).

Note: M Series (layout) groups interior options, followed by base selection options.



Each Right Hand Page Shows:

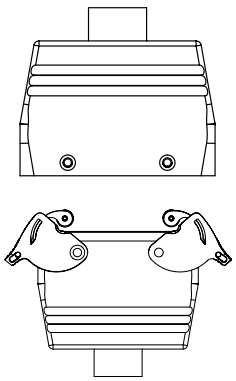
STANDARD BASES

BASE TO HOOD

STANDARD HOODS

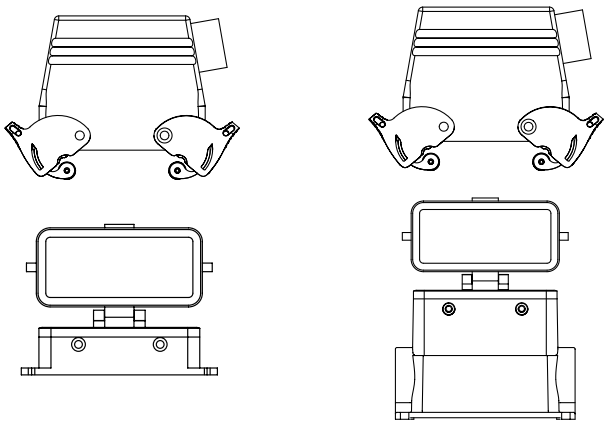
HOOD TO COUPLER

Portable Service



COUPLER HOODS

Reverse Locking



LEVER HOODS

HOOD TO BASE

POST BASES

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Sub-Miniature (DB) Adapter Plates

- Connect test and diagnostic equipment to control circuits.
- Panel base, box housing base, or any hood installation (ribbon cable – entry hoods available).
- Industry standard sizes.
- Dust covers for protection recommended.
- 9, 15, 25, 37 and 50 series.

See page I69 for ordering information and dimensions.

B24 Insert Mounting Adapter Plates

- Allows housing standardization for multiple applications.
- B24 footprint fit to single B6, B10, B16 inserts.
- Rugged thermoplastic.
- Fits standard B24 Hoods and Bases.

Cover Plates

- Allows custom connections for drill-and-install work.
- Blank plate for expansion.
- All standard Hood/Base sizes supported.

See page I70 for ordering information and dimensions.

Dust Covers & Hinged Covers

(thermoplastic) (thermoplastic or metal)

- Single or Double locking options by series.
- Separate covers or fixed mount hinged types.
- New metal fixed mount hinged covers for B series bases now available in select sizes.
- Separate or fixed covers protect contacts when not in use or while unmated.

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Wire and Cable Entry Options

Cable Compression Seal Fitting

Strain Relief Trumpet Gland

Euro Gland Seal

Portable Service Cord

- Sheathed industrial multi-conductor cables usage.
- Options cover many installation needs.
- Special constructions available for retrofit or original specification.
- Hoods and Bases may be specified (in bulk volumes) without fittings for customer cable entry selection.
- Euro standard gland seal also available.

Box Base Series Set

Hood Seal Set

Ribbon or Flat Cable Sealing

- Single, double or triple cable entry options.
- Hoods must be specified as ribbon cable entry style.
- Sealing sets available separately.
- Box base housing sealing sets also available.

Standard NPT Conduit Adapters

- Euro PG to NPT thread adapters (PG male to NPT female).
- Standard on all Pos-E-Kon Hoods and Bases.
- Available separately for MRO.
- Sizes from (PG11 to 1/2 inch) through (PG48 to 1-1/2 inch) NPT.

Cord Grip Fittings

- Both NPT and PG thread styles.
- New thermoplastic sealing glands in NPT, PG and new ISO threads – for retrofit or original specification.
- More options than shown are available. See T&B catalogs. (Shown in Gray. Black also available.)

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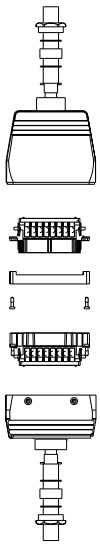


Assembly Structure Example

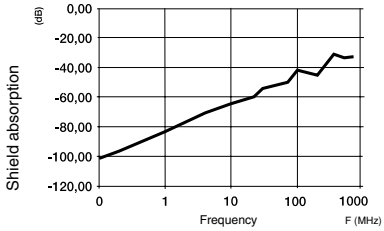
Electro-Magnetic Shielding Component Systems

Shielding Kits

- EM shielding at critical sealing lines.
- Hood/Base and Coupler Hood kits.
- Special EM Hood-Base entry fittings also available. (see page I72)

Inserts/Series	Base & Hood Kit	Coupler Hood Kit	EM-Fitting
A10, D15	**EM650A10**	**EM656A10**	see page H73
A16, D25	**EM651A16**	**EM657A16**	
B6, T6, DD24	**EM646B6**	**EM652B6**	
B10, T10, V3, DD42	**EM647B10**	**EM653B10**	
B16, T16, C6, V6, D40, DD72	**EM648B16**	**EM654B16**	
B24, T24, V10, V16, D64, DD108	**EM649B24**	**EM655B24**	

Rectangular connectors



Bulkhead/Panel Pass-Through Adapters

- For panel wiring access through panel base entry.
- Clamshell “Split Type” design also available.
- 3 or 4 entry (4 standard).
- Base B16 or B24 sizes.
- Grommets sold separately, see chart below

Adapter Housing and Base

Series No.	Adapter	Panel Base
B16, T16, C6, V6, D40, DD72 (3 hole)	**CA628B16**	PB116
B24, T24, V10, V16, D64, DD108 (4 hole)	**CA629B24**	PB124

Feed-thru Grommets

	Cable O.D. (mm)	Cat. No.		Cable O.D. (mm)	Cat. No.
	3-4	**BSG630**		10-11	**BCG637**
	4-5	**BSG631**		11-12	**BCG638**
Straight	5-6	**BSG632**	Split Type	12-13	**BCG639**
Grommet	6-7	**BSG633**	Grommet	13-14	**BCG640**
	7-8	**BSG634**		14-15	**BCG641**
	8-9	**BSG635**		15-16	**BCG642**
	9-10	**BSG636**	* Use T&B Ty-Rap® No. TYV523M cable tie to bind wire to open face grommet.		
Blind Plug	–	**BPG644**			

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Pos-E-Kon Improvements for 2001

Introducing: **New** Ergonomic thermoplastic levers for "B" series double lever housings **B10-B24**
Benefits: Non-slip comfortable grip
Easier locking and unlocking

And: **New** Laser etched labeling for all metal housings and hot-stamped labeling on contact carrier inserts.
Benefits: Permanent marking with all data combined
External marking vs. internal label

New "E" type levers will be standard for double lever B10 through B24 size housings. All single lever housings are constructed with metallic levers.

Metallic levers will continue to be available for all double lever housings. (Minimum order requirements)

Reference: Catalog Number Conversion

• Add "E" suffix for Ergonomic style levers for all B10, 16 and 24 double-lever housings.

Example: **PB116** (Metal levers) becomes **PB116E** (Thermoplastic levers)
LH224 (Metal levers) becomes **LH224E** (Thermoplastic levers)

Catalog Numbers affected (New catalog number construction shown in catalog)

B10 Series	B16 Series		B24 Series	
PB110	PB116	LH016	PB124	CH624
BB010	BB016	LH016H	BB024	CH724
BB110	BB116	LH116H	BB124	LH124
BB610	BB616	LH216		LH224
BB710	BB716	LH216H		LH024
CH810	CH616			LH324

Note: Product improvements phased in during 2001 shipments

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Easy to use - catalog number construction pioneered by T&B:

Hoods

TH – Top Entry Hood w/NPT fitting
SH – Side Entry Hood w/NPT fitting

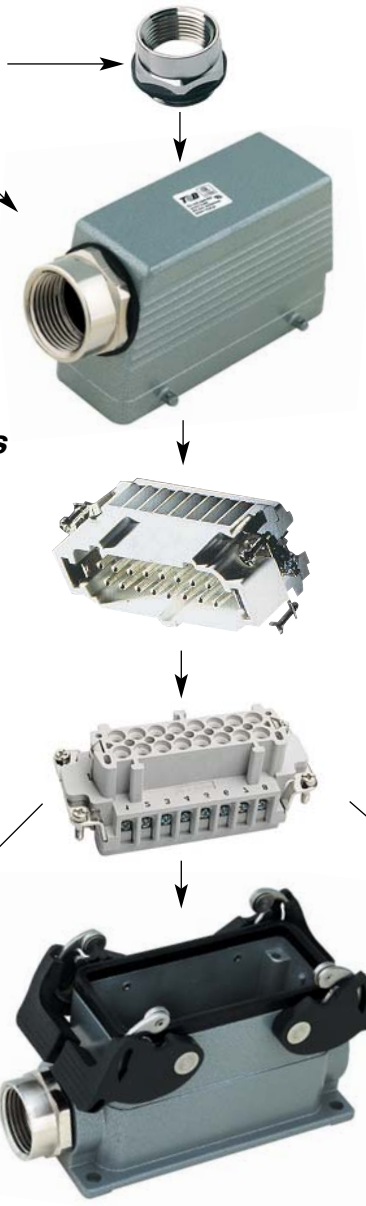
Double posts (front/back) for Double Lever locking. (single side posts/lever also)

Wiring Entry options

Cord or Conduit Adapter fittings
Ribbon cable & Euro cable entry
Housings without fittings
Custom assemblies

Male and Female Terminal Block Wiring Adapters

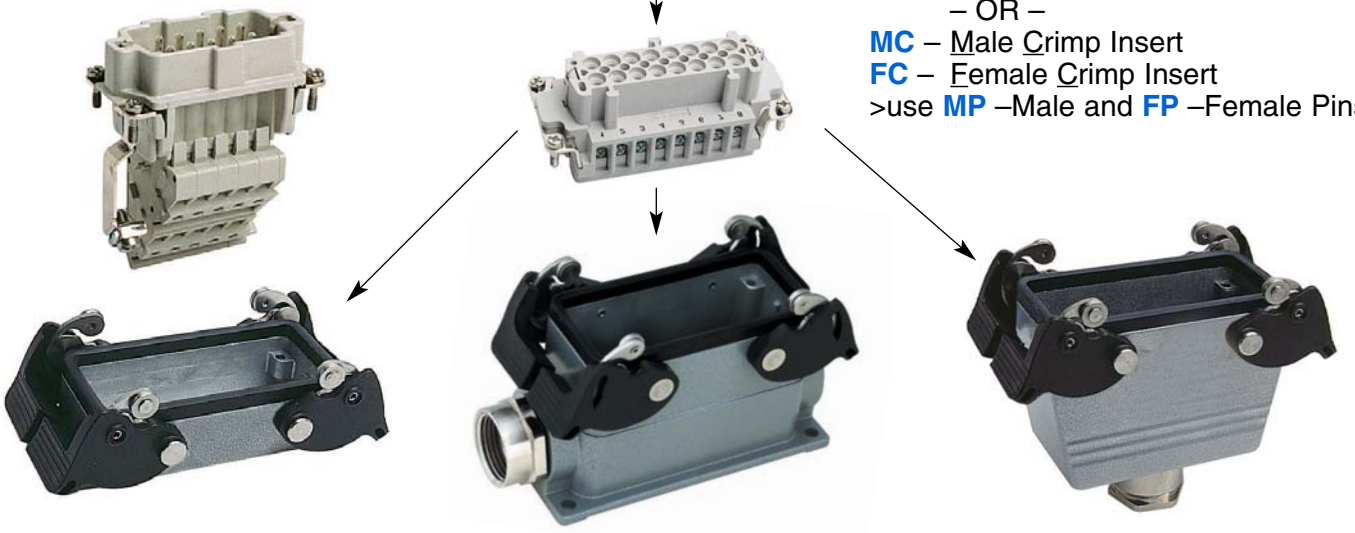
MS or **FSxxxWAR/WAL**
(right/left ground) options
for Panel Base installations.



Male and Female Inserts

-same installation to any hood or base orientation

MS – Male Screw Terminal Insert. (shown)
FS – Female Screw Terminal Insert. (shown)
– OR –
MC – Male Crimp Insert
FC – Female Crimp Insert
>use **MP** –Male and **FP** –Female Pins



Base Types

PB – Panel Base Housing
Panel face or bulkhead mounting with rear wiring access

BB – Box Base Housing
Surface Mount with NPT conduit Entry (1 or 2) fittings (standard)

CH – Coupler Hood
Inline Portable Connection

Locking

- Single lever/Single posts or Double lever/Double posts locking.
- "Reversed Locking" (levers on hoods) available.
- New E-series ergonomic thermoplastic handles for Double lever B series (B10, B16, B24).
- Single lever & other series use metal levers.

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	Series	Features	Contacts + G	Page
	A Series: 10A: 3, 4 16A: All other	Small, Compact Size Screw Terminal or Crimp Contacts	3, 4, 10, 16, 32	I16
	B Series: 16A	Standard Size Screw Terminal or Crimp Contacts	6, 10, 16, 24, 32, 48	I18
	C Series: 35A	High Current Screw Terminal	6 or 12	I22
	D Series: 10A	Hi-Density Crimp Contacts or Fiber Optic Contacts	7, 8, 15, 25, 40, 50, 64, 80, 128	I24
	DD Series: 10A	Very Hi-Density Crimp Contacts or Fiber Optic Contacts	24, 42, 72, 108, 144, 216	I28
	K Series: 16A/80A	Combo, Hi-Current/Std. Current Screw Terminals	16A: 8 + 4 80A: 16 + 8	I32
	V Series: 16A	Control Circuit Contacts and B Style Screw Terminals	3, 6, 10, 16, 20, 26, 32) +2	I34
	T Series: 16A	B Style @ Hi-Temp 200°C Screw Terminals	6, 10, 16, 24	I38
	M Series: (Various)	All Modular Crimp Contacts and Fiber Optic Contacts	Several to 50A: 3, 5, 7 Piece Frames	I41
	Reference & Accessories	Specs, Dimensions, Components and Fiber Optics		I53

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3 or 4 Contacts + Ground: 10A
10, 16 & 32 Contacts + Ground: 16A

	3 or 4 (300V)	10	16	32
Install to Matching Series Hood/Base				

Screw Terminal Inserts		3 or 4 + G	10 + G	16 + G	32 + G
	Male – Pins 20-14 AWG (0.5-2.5 mm²)	**MS203A or MS204A** (16 AWG max)	**MS210A**	**MS216A**	**MS216A+ MS232A**
	Female – Sleeves 20-14 AWG (0.5-2.5 mm²)	**FS103A or FS104A** (16 AWG max)	**FS110A**	**FS116A**	**FS116A+ FS132A**

Use small blade screwdriver to push wire entry tab in for EZ contact removal.

Crimp Terminal Inserts		10 + G	16 + G	32 + G
	Male Insert (Order contacts below)	**MC410A**	**MC416A**	**MC416A+ MC432A**
	Female Insert (Order contacts below)	**FC310A**	**FC316A**	**FC316A+ FC332A**

Crimp Tool
WT611TB

Contacts Selection		
Crimp Contacts	**Wire AWG (mm²)**	**Identification**
Groove	20 AWG (0.5 mm²)	No Groove
	18 AWG (0.75-1 mm²)	1 Groove
	16 AWG (1.5 mm²)	2 Grooves
	14 AWG (2.5 mm²)	3 Grooves
	12 AWG (4.0 mm²)	No Groove

For all Crimp Terminal "A" Inserts:

Female	Male
FP2000	**MP2000**
FP1800	**MP1800**
FP1600	**MP1600**
FP1400	**MP1400**
FP1200	**MP1200**

Allows use of "open" interiors as separable barrier terminal blocks for panel assemblies – or can be used as OEM wiring assembly fixture.

DIN Rail Adapter Mount Frames	
	150MM long, with base for snapping onto DIN rail

For all Inserts

10 + G	16 + G
AMF115	**AMF125**

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# of Contacts + Ground Connection

Single Lever	Double Lever	Housing	NPT Entry	3 or 4 (300V) Lever Locking Type Single	10 Lever Locking Type Single	16 Lever Locking Type Single	32 Lever Locking Type Double
Bases – Standard Mount							
		Panel Base		PB303A(P)▲	PB310A	PB316A	PB132A
		w/Cover		PB403A	PB410A	PB416A	
		Angled no Cover		PB503A(P)▲			
		Box Base (no Cover)	1 X 3/8" 1 X 1/2" 1 X 3/4" 1 X 1" 2 X 1/2" 2 X 3/4" 2 X 1"	BB403A(P)▲	BB410A BB510A	BB416A BB516A	BB032A BB832A BB132A BB132A100
		Box Base w/Cover	1 X 1/2" 2 X 1/2		BB610A BB710A	BB616A BB716A	
Hoods – Standard Mount							
		Side Entry	1 X 3/8" 1 X 1/2" 1 X 3/4" 1 X 1"	SH603A(P)▲	SH610A** SH710A	SH616A** SH716A	SH032A SH132A
		Top Entry	1 X 3/8" 1 X 1/2" 1 X 3/4" 1 X 1"	TH803A(P)▲	TH810A** TH910A	TH816A** TH916A	TH232A TH332A
Coupler Hoods – Inline							
		Top Entry	1 X 3/8" 1 X 1/2"	CH803A(P)▲	CH810A	CH816A	

*Plastic body – "A" 3-16 Series standard Hoods include Gaskets: Bases and Special Hoods do not.

For Inline, Portable or Special Service Connections
Coupler Hoods mate to Standard Hoods ONLY.

Reverse Locking
Lever Hoods mate to Post Bases ONLY.

Lever Hoods – Rev. Lock				
	Side Entry w/Lever(s)	1 X 3/4" 1 X 1"	LH032A LH132A	HOODS
	Top Entry w/Lever(s)	1 X 3/4" 1 X 1"	LH232A LH332A	HOODS
Bases – with Access Cover				
	Panel Base+ Posts w/Cover		PB232A	BASES
	Box Base+ Posts w/Cover	1 X 3/4" 1 X 1" 2 X 3/4" 2 X 1"	BB232A BB232A100 BB332A BB332A100	BASES

Post Bases accept Lever Hoods ONLY.

**Notes: Available in Standard or LOW Profile "L" configurations. (-add suffix)
▲ (P) indicates glass-filled thermoplastic construction, light gray color (add suffix).
(PB) indicates glass filled thermoplastic construction, black color (add suffix) qty. purchase may be required.

BASE TO HOOD | HOOD TO COUPLER | HOOD TO BASE

Pos-E-Kon™

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6, 10, 16, 24, 32, 48 Contacts + Ground

	6	10	16
Install to Matching Series Hood/Base			

Screw Terminal Inserts		6 + G	10 + G	16 + G
	Male – Pins 20-14 AWG (0.5-2.5 mm²)	MS206B	MS210B	MS216B
	Female – Sleeves 20-14 AWG (0.5-2.5 mm²)	FS106B	FS110B	FS116B

Wiring Adapter Insert for use with Panel Bases; allows single access direction panel-build wiring + easy terminal ID for service & testing.

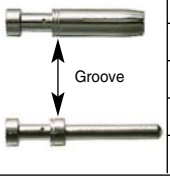
Accessories:	Catalog No.
Label Insert Clip	WAM-1
Strip blank	WAM1B
Strip Nos. 1-64	WAM1N64
Strip Letters A - Z	WAM1AZ

Screw Terminal Wiring Adapter Blocks		6 + G	10 + G	16 + G
	Male Insert, Ground L. 20-14 AWG (0.5-2.5 mm²)	MS206WAL	MS210WAL	MS216WAL
	Male Insert, Ground R. 20-14 AWG (0.5-2.5 mm²)	MS206WAR	MS210WAR	MS216WAR
	Female Insert, Ground L. 20-14 AWG (0.5-2.5 mm²)	FS106WAL	FS110WAL	FS116WAL
	Female Insert, Ground R. 20-14 AWG (0.5-2.5 mm²)	FS106WAR	FS110WAR	FS116WAR
	Foot Element mounting adapter for DIN rail	FE807TB 2 each needed	FE807TB 2 each needed	FE807TB 2 each needed

Use small blade screwdriver to push wire entry tab in for EZ contact removal.

Crimp Terminal Inserts		6 + G	10 + G	16 + G
	Male Insert (Order contacts below)	MC406B	MC410B	MC416B
	Female Insert (Order contacts below)	FC306B	FC310B	FC316B

Crimp Tool
WT611TB

Contacts Selection			For all Crimp Terminal "B" Inserts	
Crimp Contacts	Wire AWG (mm²)	Identification	Female	Male
 Groove	20 AWG (0.5 mm²)	No Groove	FP2000	MP2000
	18 AWG (0.75-1 mm²)	1 Groove	FP1800	MP1800
	16 AWG (1.5 mm²)	2 Grooves	FP1600	MP1600
	14 AWG (2.5 mm²)	3 Grooves	FP1400	MP1400
	12 AWG (4.0 mm²)	No Groove	FP1200	MP1200

Allows use of "open" interiors as separable barrier terminal blocks for panel assemblies – or can be used as OEM wiring assembly fixture.

Accepts any Terminal Insert to same series.

		For all Inserts		
DIN Rail Adapter Mount Frames		6 + G	10 + G	16 + G
	125 mm long, with base for snapping onto DIN rail	AMF006	AMF010	AMF016
	150 mm long, with base for snapping onto DIN rail	AMF106	AMF110	AMF116
	150 mm long, with base for TWO inserts	AMF112	–	–

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# of Contacts + Ground Connection

Single Lever	Double Lever	Housing	NPT Entry	6 Lever Locking Type: Single	10 Lever Locking Type: Single	10 Lever Locking Type: Double	16 Lever Locking Type: Single	16 Lever Locking Type: Double
Bases – Standard Mount								
		Panel Base w/Cover		PB306 PB406▪	PB310▪ PB410▪	PB110E	PB316▪ PB416▪	PB116E
		Box Base (no Cover)	1 X 1/2" 1 X 3/4" 1 X 1" 2 X 1/2" 2 X 3/4" 2 X 1"	BB406 BB406H075 BB406H100 BB506 BB506H075 BB506H100	BB410 BB410H075 BB410H100 BB510 BB510H075 BB510H100	BB010E BB010EH075 BB010EH100 BB110E BB110EH075 BB110EH100	BB416* BB416H100 BB516* BB516H100	BB016E* BB016EH100 BB116E* BB116EH100
		Box Base w/Cover	1 X 1/2" 1 X 3/4" 1 X 1" 2 X 1/2" 2 X 3/4" 2 X 1"	BB606▪ BB606H075▪ BB606H100▪ BB706▪ BB706H075▪ BB706H100▪	BB610▪ BB610H075▪ BB610H100▪ BB710▪ BB710H075▪ BB710H100▪		BB616*▪ BB616H100▪ BB716*▪ BB716H100▪	
Hoods – Standard Mount								
		Side Entry	1 X 1/2" 1 X 3/4" 1 X 1"	SH606 SH606H075 SH606H100	SH610 SH610H075 SH610H100	SH010 SH010H075 SH010H100	SH616◆ SH716H	SH016◆ SH116H
		Top Entry	1 X 1/2" 1 X 3/4" 1 X 1"	TH806 TH806H075 TH806H100	TH810 TH810H075 TH810H100	TH210 TH210H075 TH210H100	TH816◆ TH816H100	TH216◆ TH316H
Coupler Hoods – Inline								
		Top Entry	1 X 1/2" 1 X 3/4" 1 X 1"	CH806 CH806H075 CH806H100	CH810 CH810H075 CH810H100	CH610E CH610EH075 CH610EH100	CH816H CH916H	CH616EH CH716EH

For Inline, Portable or Special Service Connections

Coupler Hoods mate to Standard Hoods ONLY.

Reverse Locking

Lever Hoods – Reversed Lock					
	Side Entry w/Lever(s)	1 X 1/2" 1 X 3/4" 1 X 1"	LH010E LH010EH075 LH010EH100		LH016E* LH116EH
	Top Entry w/Lever(s)	1 X 1/2" 1 X 3/4" 1 X 1"	LH210E LH210EH075 LH210EH100		LH216E* LH316EH

Lever Hoods mate to Post Bases ONLY.

Bases – with Access Cover					
	Panel + Posts w/Cover		PB210▪		PB216▪
	Box + Posts w/Cover	1 X 1/2" 1 X 3/4" 1 X 1" 2 X 1/2" 2 X 3/4" 2 X 1"	BB210▪ BB210H075▪ BB210H100▪ BB310▪ BB310H075▪ BB310H100▪		BB216*▪ BB216H100▪ BB316*▪ BB316H100▪

Post Bases accept Lever Hoods ONLY.

*Notes: Available in Standard or HIGH Profile "H" configurations. (-add suffix)
▪ Add "M" final suffix for metal cover option.
◆ Both HIGH (H) and LOW (L) profile also available. (-add suffix)

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6, 10, 16, 24, 32, 48 Contacts + Ground

	24	32	48
Install to Matching Series Hood/Base			

Screw Terminal Inserts		24 + G	32 + G	48 + G
	Male Pins 20-14 AWG (0.5-2.5 mm²)	MS224B	MS216B (1-16) +MS232B (17-32)	MS224B (1-24) +MS248B (25-48)
	Female Sleeves 20-14 AWG (0.5-2.5 mm²)	FS124B	FS116B (1-16)+ FS132B (17-32)	FS124B (1-24)+ FS148B (25-48)

Wiring Adapter Insert for use with Panel Bases; allows single access direction panel-build wiring + easy terminal ID for service & testing.

Accessories:	Catalog No.
Label Insert Clip	WAM-1
Strip blank	WAM1B
Strip Nos. 1-64	WAM1N64
Strip Letters A - Z	WAM1AZ

Screw Terminal Wiring Adapter Blocks		24 + G
	Male Insert, Ground L. 20-14 AWG (0.5-2.5 mm²)	MS224WAL
	Male Insert, Ground R. 20-14 AWG (0.5-2.5 mm²)	MS224WAR
	Female Insert, Ground L. 20-14 AWG (0.5-2.5 mm²)	FS124WAL
	Female Insert, Ground R. 20-14 AWG (0.5-2.5 mm²)	FS124WAR
	Foot Element mounting adapter for DIN rail	FE807TB

Use small blade screwdriver to push wire entry tab in for EZ contact removal.

Crimp Terminal Inserts		24 + G	32 + G	48 + G
	Male Insert (Order contacts below)	MC424B	(1-16) MC416B (17-32) MC432B	(1-24) MC424B (25-48) MC448B
	Female Insert (Order contacts below)	FC324B	(1-16) FC316B (17-32) FC332B	(1-24) FC324B (25-48) FC348B

Crimp Tool
WT611TB

Contacts Selection			For all Crimp Terminal "B" Inserts	
Crimp Contacts	Wire Gauge AWG (mm²)	Identification	Female	Male
Groove	20 AWG (0.5 mm²)	No Groove	FP2000	MP2000
	18 AWG (0.75-1 mm²)	1 Groove	FP1800	MP1800
	16 AWG (1.5 mm²)	2 Grooves	FP1600	MP1600
	14 AWG (2.5 mm²)	3 Grooves	FP1400	MP1400
	12 AWG (4.0 mm²)	No Groove	FP1200	MP1200

Allows use of "open" interiors as separable barrier terminal blocks for panel assemblies; or can be used as OEM wiring assembly fixture.

For all Inserts

DIN Rail Adapter Mount Frames		24 + G
	150 mm long, with base for snapping onto 33 mm rail	AMF124

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Single Lever	Double Lever	Housing	NPT Entry	# of Contacts + Ground Connection: 24 — Lever Locking Type: Single	24 — Double	32 — Double	48 — Single
Bases – Standard Mount							
		Panel Base		PB324	PB124E	PB132	PB348
		w/Cover		PB424▪			PB448
		Box Base (no Cover)	1 X 3/4"	BB424*	BB024E*		
			1 X 1"	BB424H100	BB024EH100	BB032	BB448
			2 X 3/4"	BB524*	BB124E*		
			2 X 1"	BB524H100	BB124EH100	BB132	BB548
		Box Base w/Cover	1 X 3/4"	BB624*▪			
			1 X 1"	BB624H100▪			BB648
			2 X 3/4"	BB724*▪			
			2 X 1"	BB724H100▪			BB748
Hoods – Standard Mount							
		Side Entry	1 X 3/4"	SH624**	SH024**	SH032	
			1 X 1"	SH724**	SH124**	SH132	SH648
			1 X 1.25"			SH132-125	SH748
		Top Entry	1 X 3/4"	TH824**	TH224**	TH232	
			1 X 1"	TH924	TH324	TH332	TH848
			1 X 1.25"			TH332-125	TH948
			Ribbon CBL	TH624RC‡	TH424RC‡		

For Inline, Portable or Special Service Connections
Coupler Hoods mate to Standard Hoods ONLY.

Coupler Hoods – Inline Service					
		Top Entry	1 X 3/4"	CH824	CH624E	CH632
			1 X 1"	CH924	CH724E	CH732
			Ribbon CBL	CH824RC‡	CH724ERC‡	

Reverse Locking
Lever Hoods mate to Post Bases ONLY.

Lever Hoods – Rev. Lock			
	Side Entry w /Lever(s)	1 X 3/4" 1 X 1"	LH024E LH124E
	Top Entry w/Lever(s)	1 X 3/4" 1 X 1"	LH224E LH324E

Post Bases accept Lever Hoods ONLY.

Bases – with Access Cover			
	Panel Base w/Posts + Cover		PB224▪
	Box Base w/Posts + Cover	1 X 3/4" 1 X 1" 2 X 3/4" 2 X 1"	BB224*▪ BB224H100 BB324*▪ BB324H100

*Notes: Available in Standard or HIGH Profile "H" configurations. (-add suffix)
**Notes: Available in Standard or LOW Profile "L" configurations. (-add suffix)
▪ Add "M" final suffix for metal cover option.
‡ See page I73 for ribbon cable kits.

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6 or 12 Contacts + Ground

		6	12
Install to Matching Series Hood/Base			
Screw Terminal Contact Carrier Inserts		**6 + G**	**12 + G**
	Male – Pins 20-10 AWG (0.5-2.5 mm²)	**MS206C**	**MS206C (1-6)+ MS212C (7-12)**
	Female – Sleeves 20-10 AWG (0.5-2.5 mm²)	**FS106C**	**FS106C (1-6)+ FS112C (7-12)**

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Single Lever	Double Lever	Bases – Standard Mount	Housing	NPT Entry	# of Contacts + Ground Connection: Lever Locking Type — 6: Single	6: Double	12: Double
			Panel Base		PB316	PB116E	PB132
			w/Cover		PB416		
			Box Base (no Cover)	1 X 3/4" 1 X 1" 2 X 3/4" 2 X 1"	BB416* BB416H100 BB516* BB516H100	BB016E* BB016EH100 BB116E* BB116EH100	BB032 BB132
			Box Base w/Cover	1 X 3/4" 1 X 1" 2 X 3/4" 2 X 1"	BB616*▪ BB616H100▪ BB716*▪ BB716H100▪		
Hoods – Standard Mount							
			Side Entry	1 X 3/4" 1 X 1" 1 X 1.25"	SH616◆ SH716	SH016◆ SH116H	SH032 SH132 SH132-125
			Top Entry	1 X 3/4" 1 X 1" 1 X 1.25"	TH816◆ TH816H100	TH216◆ TH316H	TH232 TH332 TH332-125
Coupler Hoods – Inline					For Inline, Portable or Special Service Connections. Coupler Hoods mate to Standard Hoods ONLY.		
			Top Entry	1 X 3/4" 1 X 1"	CH816H CH916H	CH616EH CH716EH	CH632 CH732

Lever Hoods – Rev. Lock			Reverse Locking. Lever Hoods mate to Post Bases ONLY.
	Side Entry w/Lever(s)	1 X 3/4" 1 X 1"	LH016E* LH116EH
	Top Entry w/Lever(s)	1 X 3/4" 1 X 1"	LH216E* LH316EH
Bases – with Access Cover			Post Bases accept Lever Hoods ONLY.
	Panel + Posts w/Cover		PB216▪
	Box + Posts w/Cover	1 X 3/4" 1 X 1" 2 X 3/4" 2 X 1"	BB216*▪ BB216H100▪ BB316*▪ BB316H100▪

*Notes: Available in Standard or HIGH Profile "H" configurations. (-add suffix)
**Notes: Available in Standard or LOW Profile "L" configurations. (-add suffix)
▪ Add "M" final suffix for metal cover option.
◆ Both HIGH (H) and LOW (L) profile also available. (-add suffix)

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7 or 8, 15, 25 & 40 Contacts + Ground

	7 or 8	15	25	40
Install to Matching Series Hood/Base				

Contacts Sold Separately

Crimp Terminal Inserts		7 or 8 + G	15 + G	25 + G	40 + G
	Male Insert (Order contacts below)	MC407D or MC408D	MC415D	MC425D	MC440D
	Female Insert (Order contacts below)	FC307D or FC308D	FC315D	FC325D	FC340D

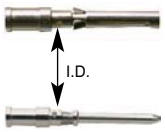
Wiring Adapter Insert for use with Panel Bases; allows single access direction panel-build wiring + easy terminal ID for service & testing.

Screw Terminal Wiring Adapter Block		40 + G
	Male Insert, Ground L. 26 - 16 AWG (0.2-1.5mm²)	MS440WAL
	Female Insert, Ground L. 26 - 16 AWG (0.2-1.5mm²)	FS340WAL
	Foot Element mounting 2X per adapter for DIN rail	FE807TB (2x needed)

Accessories:	Catalog No.
Label Insert Clip	WAM-1
Strip blank	WAM1B
Strip Nos. 1-64	WAM1N64
Strip Letters A - Z	WAM1AZ

Crimp Tool	
	WT80

Extraction Tool	
	RT614

Contacts Selection Chart			For Crimp Terminal "D" Inserts	
Crimp Contacts	Wire Gauge AWG (mm²)	Identification	Female	Male
	22+ AWG (0.14-0.37 mm²)	1	FP22SD	MP22SD
	20 AWG (0.5 mm²)	2	FP20SD	MP20SD
	18 AWG (0.75-1 mm²)	3	FP18SD	MP18SD
	16 AWG (1.5 mm²)	4	FP16SD	MP16SD
	14 AWG (2.5 mm²)	5	FP14SD	MP14SD

See page I74 for POF installation and tools info.

Fiber Optic Contacts			
Crimp Contacts	Wire Gauge AWG (mm²)	Female	Male
	Glass Fiber POF, Size 1 mm	FPF520	MPF530

Allows "open" wiring inside closed panel enclosure. Allows interiors to be assembled as a separable terminal block device.

DIN Rail Adapter Mount Frames		For all Inserts		
		15 + G	25 + G	40 + G
	125MM long, with base for snapping onto DIN rail	AMF115	AMF125	AMF016
	150MM long, with base for snapping onto DIN rail			AMF116

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Single Lever	Double Lever	Housing	NPT Entry	# of Contacts + Ground Connection: 7 or 8 — Lever Locking Type: Single	15 — Single	25 — Single	40 — Single	40 — Double
Bases – Standard Mount								
		Panel Base		PB303A(P)▲	PB310A		PB316	PB116E
		w/Cover		PB403A	PB410A	PB316A	PB416	
		Angled, (no Cover)		PB503A(P)▲		PB416A		
		Box Base (no Cover)	1 X 3/8" 1 X 1/2" 2 X 1/2" 1 X 3/4" 1 X 1" 2 X 3/4" 2 X 1"	BB403A(P)▲	BB410A BB510A	BB416A BB516A	BB416* BB416H100 BB516* BB516H100	BB016E* BB016EH100 BB116E* BB116EH100
		Box Base w/Cover	1 X 1/2" 2 X 1/2" 1 X 3/4" 1 X 1" 2 X 3/4" 2 X 1"		BB610A BB710A	BB616A BB716A	BB616*■ BB616H100■ BB716*■ BB716H100■	

BASE — BASE TO HOOD

Hoods – Standard Mount				Body – "A" 3-16 Series standard Hoods include Gaskets: Bases and Special Hoods do not.				
		Side Entry	1 X 3/8" 1 X 1/2" 1 X 3/4" 1 X 1"	SH603A(P)▲	SH610A SH710A	SH616A SH716A	TH816RC, TH216RC (Ribbon Cable) SH616◆ SH716H	SH016◆ SH116H
		Top Entry	1 X 3/8" 1 X 1/2" 1 X 3/4" 1 X 1"	TH803A(P)▲	TH810A TH910A	TH816A TH916A	TH816◆ TH816H100	TH216◆ TH316H

HOODS — HOOD TO COUPLER

For Inline, Portable or Special Service Connections

Coupler Hoods mate to Standard Hoods ONLY.

Coupler Hoods – Inline								
		Top Entry	1 X 3/8" 1 X 1/2" 1 X 3/4" 1 X 1"	CH803A(P)▲	CH810A	CH816A	CH816RC, CH716ERC (Ribbon Cable) CH816H CH916H	CH616EH CH716EH

COUPLER

Reverse Locking

Lever Hoods mate to Post Bases ONLY.

Lever Hoods – Reversed Lock			
	Side Entry w/Lever(s)	1 X 1/2" 1 X 3/4"	LH016E* LH116EH
	Top Entry w/Lever(s)	1 X 1/2" 1 X 3/4"	LH216E* LH316EH

HOODS — HOOD TO BASE

Post Bases accept Lever Hoods ONLY.

Bases – with Access Cover			
	Panel + Posts w/Cover		PB216■
	Box + Posts w/Cover	1 X 3/4" 1 X 1" 2 X 3/4" 2 X 1"	BB216*■ BB216H100■ BB316*■ BB316H100■

BASES

*Notes: Available in Standard or HIGH Profile "H" configurations. (-add suffix)
**Notes: Available in Standard or LOW Profile "L" configurations. (-add suffix)
▲ (P) indicates glass-filled thermoplastic construction.
■ Add "M" final suffix for metal cover option.
◆ Both HIGH (H) and LOW (L) profile also available. (-add suffix)

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50, 64, 80 & 128 Contacts + Ground

	50	64	80	128
Install to Matching Series Hood/Base				

Crimp Terminal Inserts		50 + G	64 + G	80 + G	128 + G
	Male Insert (Order contacts below)	MC425D (2x)	MC464D	MC440D (2x)	MC464D (2x)
	Female Insert (Order contacts below)	FC325D (2x)	FC364D	FC340D (2x)	FC364D (2x)

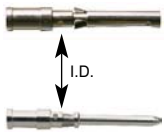
Wiring Adapter Insert for use with Panel Bases; allows single access direction panel-build wiring + easy terminal ID for service & testing.

Accessories:	Catalog No.
Label Inserts	WAM-1
Strip Blank	WAM1B
Strip Nos. 1-64	WAM1N64
Strip Letters A - Z	WAM1AZ

Screw Terminal Wiring Adapter Block		64 + G
	Male Insert, Ground L. 26 - 16 AWG (0.2-1.5mm²)	MS464WAL
	Female Insert, Ground L. 26 - 16 AWG (0.2-1.5mm²)	FS364WAL
	Foot Element mounting 2X per adapter for DIN rail	FE807TB (2x needed)

Crimp Tool	
	WT80

Extraction Tool	
	RT614

Contacts Selection Chart			For Crimp Terminal "D" Inserts	
Crimp Contacts	Wire Gauge AWG (mm²)	Identification	Female	Male
	22+ AWG (0.14-0.37 mm²)	1	FP22SD	MP22SD
	20 AWG (0.5 mm²)	2	FP20SD	MP20SD
	18 AWG (0.75-1 mm²)	3	FP18SD	MP18SD
	16 AWG (1.5 mm²)	4	FP16SD	MP16SD
	14 AWG (2.5 mm²)	5	FP14SD	MP14SD

See page I74 for POF installation and tools info.

Fiber Optic Contacts		Female	Male
Crimp Contacts	Wire Gauge AWG (mm²)		
	Glass Fiber POF, Size 1 mm	FPF520	MPF530

Allows "open" wiring inside closed panel enclosure. Allows interiors to be assembled as a separable terminal block device.

DIN Rail Adapter Mount Frames		64 + G
	150MM long, with base for snapping onto DIN rail	AMF124

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				# of Contacts + Ground Connections				
				50	64		80	128
Single Lever	Double Lever	Housing	NPT Entry	Lever Locking Type				
Bases – Standard Mount				Double	Single	Double	Double	Single
		Panel Base		PB132A	PB324	PB124E	PB132	PB348
		w/Cover		PB403A	PB424			
		Box Base (no Cover)	1 X 3/4" 1 X 1" 2 X 3/4" 2 X 1"	BB032A BB832A BB132A BB132A100	BB424* BB424H100 BB524* BB524H100	BB024E* BB024EH100 BB124E* BB124EH100	BB032 BB132	BB448 BB548
		Box Base w/Cover	1 X 3/4" 1 X 1" 2 X 3/4" 2 X 1"		BB624*▪ BB624H100▪ BB724*▪ BB724H100▪			BB648 BB748
Hoods – Standard Mount								
		Side Entry	1 X 3/4" 1 X 1" 1 X 1.25"	SH032A SH132A	SH624** SH724**	SH024** SH124**	SH032 SH132	SH648 SH748
		Top Entry	1 X 3/4" 1 X 1" 1 X 1-1/4" Ribbon CBL	TH232A TH332A	TH824** TH924 TH624RC‡	TH224** TH324 TH424RC‡	TH232 TH332	TH848 TH948

For Inline, Portable or Special Service Connections

Coupler Hoods mate to Standard Hoods ONLY.

Coupler Hoods – Inline						
		Top Entry	1 X 3/4" 1 X 1" Ribbon CBL	CH824 CH924 CH824RC‡	CH624E CH724E CH724ERC‡	CH632 CH732

Reverse Locking

Lever Hoods mate to Post Bases ONLY.

Lever Hoods – Reversed Lock				
	Side Entry w/Lever(s)	1 X 3/4" 1 X 1"	LH032A LH132A	LH024E LH124E
	Top Entry w/Lever(s)	1 X 3/4" 1 X 1"	LH232A LH332A	LH224E LH324E

Post Bases accept Lever Hoods ONLY.

Bases – with Access Cover				
	Panel + Posts w/Cover		PB232A	PB224▪
	Box + Posts w/Cover	1 X 3/4" 1 X 1" 2 X 3/4" 2 X 1"	BB232A BB232A100 BB332A BB332A100	BB224*▪ BB224H100 BB324*▪ BB324H100

*Notes: Available in Standard or HIGH Profile "H" configurations. (-add suffix)
**Notes: Available in Standard or LOW Profile "L" configurations. (-add suffix)
▪ Add "M" final suffix for metal cover option.
‡ See page I73 for ribbon cable kits.

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24, 42, 72 Contacts + Ground

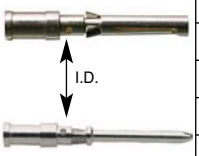
	24	42	72
Install to Matching Series Hood/Base			

Crimp Terminal Inserts		24 + G	42 + G	72 + G
	Male Insert (Order contacts below)	MC224DD	MC242DD	MC272DD
	Female Insert (Order contacts below)	FC124DD	FC142DD	FC172DD

Crimp Tool	
	WT80

Extraction Tool	
	RT614

Contacts Selection Chart — For all Crimp Terminal "DD" Inserts

Crimp Contacts	Wire Gauge AWG (mm²)	Identification	Female	Male
	22+ AWG (0.14-0.37 mm²)	1	FP22SD	MP22SD
	20 AWG (0.5 mm²)	2	FP20SD	MP20SD
	18 AWG (0.75-1 mm²)	3	FP18SD	MP18SD
	16 AWG (1.5 mm²)	4	FP16SD	MP16SD
	14 AWG (2.5 mm²)	5	FP14SD	MP14SD

See page I74 for POF installation and tools info.

Fiber Optic Contacts		Female	Male
	Glass Fiber POF, Size 1 mm	FPF520	MPF530

Adapter Mount Frames allow "open" wiring inside closed panel enclosure. AMF also allows Inserts to be assembled as a separable Terminal Block device.

For all Inserts

DIN Rail Adapter Mount Frames		24 + G	42 + G	72 + G
	150 mm long, with base for snapping onto DIN rail	AMF106	AMF110	AMF116
	125 mm long style	AMF006	AMF010	AMF016
	150 mm long, Double for Dual Inserts Mounting	AMF112		

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# of Contacts + Ground Connection

Single Lever	Double Lever	Housing	NPT Entry	24	42	72		
				Lever Locking Type				
Bases – Standard Mount				Single	Single	Double	Single	Double
		Panel Base		PB306■	PB310■	PB110E	PB316	PB116E
		w/Cover		PB406■	PB410■		PB416	
		Box Base (no Cover)	1 X 1/2" 1 X 3/4" 1 X 1" 2 X 1/2" 2 X 3/4" 2 X 1"	BB406 BB406H075 BB406H100 BB506 BB506H075 BB506H100	BB410 BB410H075 BB410H100 BB510 BB510H075 BB510H100	BB010E BB010EH075 BB010EH100 BB110E BB110EH075 BB110EH100	BB416* BB416H100 BB516* BB516H100	BB016E* BB016EH100 BB116E* BB116EH100
		Box Base w/Cover	1 X 1/2" 1 X 3/4" 1 X 1" 2 X 1/2" 2 X 3/4" 2 X 1"	BB606■ BB606H075■ BB606H100■ BB706■ BB706H075■ BB706H100■	BB610■ BB610H075■ BB610H100■ BB710■ BB710H075■ BB710H100■		BB616*■ BB616H100■ BB716*■ BB716H100■	
Hoods – Standard Mount								
		Side Entry	1 X 1/2" 1 X 3/4" 1 X 1"	SH606 SH606H075 SH606H100	SH610 SH610H075 SH610H100	SH010 SH010H075 SH010H100	SH616◆ SH716H	SH016◆ SH116H
		Top Entry	1 X 1/2" 1 X 3/4" 1 X 1" Ribbon CBL	TH806 TH806H075 TH806H100	TH810 TH810H075 TH810H100	TH210 TH210H075 TH210H100	TH816◆ TH816H100 TH816RC‡	TH216◆ TH316H TH216RC‡
				For Inline, Portable or Special Service Connections Coupler Hoods mate to Standard Hoods ONLY.				
Coupler Hoods – Inline								
		Top Entry w/Lever(s)	1 X 1/2" 1 X 3/4" 1 X 1" Ribbon CBL	CH806 CH806H075 CH806H100	CH810 CH810H075 CH810H100	CH610E CH610EH075 CH610EH100	CH816H CH916H CH816RC‡	CH616EH CH716EH CH716ERC‡
				Reverse Locking Lever Hoods mate to Post Bases ONLY.				
Lever Hoods – Reversed Lock								
		Side Entry w/Lever(s)	1 X 1/2" 1 X 3/4" 1 X 1"		LH010E LH010EH075 LH010EH100		LH016E* LH116EH	
		Top Entry w/Lever(s)	1 X 1/2" 1 X 3/4" 1 X 1"		LH210E LH210EH075 LH210EH100		LH216E* LH316EH	
				Post Bases accept Lever Hoods ONLY.				
Bases – with Access Cover								
		Panel + Posts w/Cover			PB210■		PB216■	
		Box + Posts w/Cover	1 X 1/2" 1 X 3/4" 1 X 1" 2 X 1/2" 2 X 3/4" 2 X 1"		BB210■ BB210H075■ BB210H100■ BB310■ BB310H075■ BB310H100■		BB216*■ BB216H100■ BB316*■ BB316H100■	

BASE: BASE TO HOOD

HOODS: HOOD TO COUPLER

COUPLER

HOODS: HOOD TO BASE

BASES

Pos-E-Kon™

* Notes: Available in Standard or HIGH Profile "H" configurations. (-add suffix)
■ Add "M" final suffix for metal cover option.
• Both HIGH (H) and LOW (L) profile also available. (-add suffix)
‡ See page I73 for ribbon cable kits.

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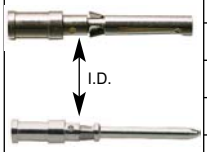
108, 144 & 216 Contacts + Ground

	108	144	216
Install to Matching Series Hood/Base			

Crimp Terminal Inserts		108 + G	144 + G	216 + G
	Male Insert (Order contacts below)	MC208DD	MC272DD+ MC244DD	MC208DD+ MC216DD
	Female Insert (Order contacts below)	FC108DD	FC172DD+ FC144DD	FC108DD+ FC116DD

Crimp Tool	
	WT80

Extraction Tool	
	RT614

Contacts Selection				
			For all Crimp Terminal "DD" Inserts	
Crimp Contacts	Wire Gauge AWG (mm²)	Identification	Female	Male
	22+ AWG (0.14-0.37 mm²)	1	FP22SD	MP22SD
	20 AWG (0.5 mm²)	2	FP20SD	MP20SD
	18 AWG (0.75-1 mm²)	3	FP18SD	MP18SD
	16 AWG (1.5 mm²)	4	FP16SD	MP16SD
	14 AWG (2.5 mm²)	5	FP14SD	MP14SD

See page I74 for POF installation and tools info.

Fiber Optic Contacts			
Crimp Contacts	Wire Gauge AWG (mm²)	Female	Male
	Glass Fiber POF, Size 1 mm	FPF520	MPF530

Adapter Mount Frames allow "open" wiring inside closed panel enclosure.AMF also allows Inserts to be assembled as a separable Terminal Block device.

		For all Inserts
DIN Rail Adapter Mount Frames		108 + G
	150 mm long, with base for snapping onto DIN rail	AMF124

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# of Contacts + Ground Connections

Single Lever	Double Lever	Housing	NPT Entry	108 Lever Locking Type: Single	108 Lever Locking Type: Double	144 Lever Locking Type: Double	216 Lever Locking Type: Single
Bases – Standard Mount							
		Panel Base		PB324	PB124E	PB132	PB348
		w/Cover		PB424▪			PB448
		Box Base (no Cover)	1 X 3/4" 1 X 1" 2 X 3/4" 2 X 1"	BB424* BB424H100 BB524* BB524H100	BB024E* BB024EH100 BB124E* BB124EH100	BB032 BB132	BB448 BB548
		Box Base w/Cover	1 X 3/4" 1 X 1" 2 X 3/4" 2 X 1"	BB624*▪ BB624H100▪ BB724*▪ BB724H100▪			BB648 BB748
Hoods – Standard Mount							
		Side Entry	1 X 3/4" 1 X 1" 1 X 1.25"	SH624** SH724**	SH024** SH124**	SH032 SH132 SH132-125	SH648 SH748
		Top Entry	1 X 3/4" 1 X 1" 1 X 1.25" Ribbon CBL	TH824** TH924 TH624RC‡	TH224** TH324 TH424RC‡	TH232 TH332 TH332-125	TH848 TH948

For Inline, Portable or Special Service Connections

Coupler Hoods – Inline Service				Coupler Hoods mate to Standard Hoods ONLY.		
		Top Entry	1 X 3/4" 1 X 1" Ribbon CBL	CH824 CH924 CH824RC‡	CH624E CH724E CH724ERC‡	CH632 CH732

Reverse Locking

Lever Hoods – Rev. Lock			Lever Hoods mate to Post Bases ONLY.
	Side Entry w /Lever(s) Top Entry w/Lever(s)	1 X 3/4" 1 X 1" 1 X 3/4" 1 X 1"	LH024E LH124E LH224E LH324E

Bases – with Access Cover			Post Bases accept Lever Hoods ONLY.
	Panel Base w/Posts + Cover		PB224▪
	Box Base w/Posts + Cover	1 X 3/4" 1 X 1" 2 X 3/4" 2 X 1"	BB224*▪ BB224H100 BB324*▪ BB324H100

*Notes: Available in Standard or HIGH Profile "H" configurations. (-add suffix)
**Notes: Available in Standard or LOW Profile "L" configurations. (-add suffix)
▪ Add "M" final suffix for metal cover option.
‡ See page I73 for ribbon cable kits.

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4 @ 80A + 8 @ 16A
8 @ 80A + 16 @ 16A
Contacts + Ground

	4 @80A + 8 @16A + G	4 @80A + 16 @16A + G
Install to Matching Series Hood/Base		

Screw Terminal Contact Carrier Inserts		4 @80A+ 8 216A+G	8 @80A+ 16 @16A+G
	Male – Pins	MS212K	MS212K (x2)
	Female – Sleeves	FS112K	FS112K (x2)

Wiring Note: To 6 AWG (16mm²) 80A Contacts
To 14 AWG (2.5mm²) 16A Contacts

Other Configurations

Special order high amperage and/or combo configurations may be available. Contact Product Management/Technical Services.

Also see M Series page I41.

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# of Contacts + Ground Connection

	K-12	K-24
	8 @16A + G 4 @80A + G	16 @16A, + G 8 @80A + G

Single Lever	Double Lever	Bases – Standard Mount	Housing	NPT Entry	Lever Locking Type: Single	Lever Locking Type: Double	Lever Locking Type: Single
			Panel Base		PB324	PB124E	PB348
			w/Cover		PB424		
			Box Base (no Cover)	1 X 3/4" 1 X 1" 2 X 3/4" 2 X 1"	BB424* BB424H100 BB524* BB524H100	BB024E* BB024EH100 BB124E* BB124EH100	BB448 BB548
			Box Base w/Cover	1 X 3/4" 1 X 1" 2 X 3/4" 2 X 1"	BB624▪* BB624H100▪ BB724▪* BB724H100▪		BB648 BB748

Hoods – Standard Mount						
		Side Entry	1 X 3/4" 1 X 1" 1 X 1.25"	SH624** SH724**	SH024** SH124**	SH648 SH748
		Top Entry	1 X 3/4" 1 X 1" 1 X 1.25"	TH824** TH924	TH224** TH324	TH848 TH948

For Inline, Portable or Special Service Connections

Coupler Hoods mate to Standard Hoods ONLY.

Coupler Hoods – Inline					
		Top Entry	1 X 3/4" 1 X 1"	CH824 CH924	CH624E CH724E

Reverse Locking

Lever Hoods mate to Post Bases ONLY.

Lever Hoods – Rev. Lock				
	Side Entry w/Lever(s)	1 X 3/4" 1 X 1"	LH024E LH124E	
	Top Entry w/Lever(s)	1 X 3/4" 1 X 1"	LH224E LH324E	

Post Bases accept Lever Hoods ONLY.

Bases – with Access Cover				
	Panel Base w/Posts + Cover		PB224▪	
	Box Base w/Posts + Cover	1 X 3/4" 2 X 3/4"	BB224▪* BB324▪*	

*Notes: Available in Standard or HIGH Profile "H" configurations. (-add suffix)
**Notes: Available in Standard or LOW Profile "L" configurations. (-add suffix)
▪ Add "M" final suffix for metal cover option.

BASE: BASE TO HOOD
HOODS: HOOD TO COUPLER
COUPLER
HOODS: HOOD TO BASE
BASES

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3, 6, 10, 16, 20, 26 & 32 Contacts + Control Contacts & Ground

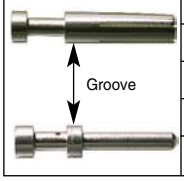
	3 + G + 2 Control	6 + G + 2 Control
Install to Matching Series Hood/Base		

Screw Terminal Inserts		3 + G + 2 Control	+ G + 2 Control
	Male – Pins 20-14 AWG (0.5-2.5 mm²)	**MS203V**	**MS206V**
	Female – Sleeves 20-14 AWG (0.5-2.5 mm²)	**FS103V**	**FS106V**

Use small blade screwdriver to push wire entry tab in for EZ contact removal.

Crimp Terminal Inserts		3 + G + 2 Control	6 + G + 2 Control
	Male Insert (Order contacts below)	**MC403V**	**MC406V**
	Female Insert (Order contacts below)	**FC303V**	**FC306V**

Crimp Tool	
Cat. No.	**WT611TB**

Contacts Selection		For "V" Series			Control Contacts: Make last, Break First
Crimp Contacts	**Wire AWG (mm²)**	**Identification**	**Female**	**Male**	**Switch/Control**
 Groove	20 AWG (0.5 mm²)	No Groove	**FP2000**	**MP2000**	–
	18 AWG (0.75-1 mm²)	1 Groove	**FP1800**	**MP1800**	**CP1800**
	16 AWG (1.5 mm²)	2 Grooves	**FP1600**	**MP1600**	**CP1600**
	14 AWG (2.5 mm²)	3 Grooves	**FP1400**	**MP1400**	**CP1400**
	12 AWG (4.0 mm²)	No Groove	**FP1200**	**MP1200**	–

Allows use of "open" interiors as separable barrier terminal blocks for panel assemblies; or can be used as OEM wiring assembly fixture

For all Inserts

DIN Rail Adapter Mount Frames		3 + G + 2 Control	6 + G + 2 Control
	125MM long, with base for snapping onto DIN rail	**AMF010**	**AMF016**
	150MM long, with base for snapping onto DIN railF	**AMF110**	**AMF116**

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# of Contacts + Ground Connection

Single Lever	Double Lever	Housing	NPT Entry	(3 + G) + 2 Control: Lever Locking Type Single	(3 + G) + 2 Control: Lever Locking Type Double	(6 + G) + 2 Control: Lever Locking Type Single	(6 + G) + 2 Control: Lever Locking Type Double
Bases – Standard Mount							
		Panel Base		PB303V	PB103EV	PB306V	PB106EV
		w/Cover		PB403V		PB406V	
		Box Base (no Cover)	1 X 1/2" 1 X 3/4" 2 X 1/2" 2 X 3/4"	BB403V BB503V	BB003EV BB103EV	BB406V BB506V	BB006EV BB106EV
		Box Base w/Cover	1 X 1/2" 1 X 3/4" 2 X 1/2" 2 X 3/4"	BB603V▪ BB703V▪		BB606V▪ BB706V▪	
Hoods – Standard Mount							
		Side Entry	1 X 1/2" 1 X 3/4"	SH603V	SH003V	SH606V	SH006V
		Top Entry	1 X 1/2" 1 X 3/4"	TH803V	TH203V	TH806V	TH206V
Coupler Hoods – Inline				For Inline, Portable or Special Service Connections Coupler Hoods mate to Standard Hoods ONLY.			
		Top Entry	1 X 1/2" 1 X 3/4"	CH803V	CH603EV	CH806V	CH606EV

			Reverse Locking Lever Hoods mate to Post Bases ONLY.	
Lever Hoods – Rev. Lock				
	Side Entry w/Levers	1 X 3/4"	LH003EV	LH006EV
	Top Entry w/Levers	1 X 3/4"	LH203EV	LH206EV
Bases – with Access Cover			Post Bases accept Lever Hoods ONLY.	
	Panel Base w/Posts + Cover		PB203V▪	PB206V▪
	Box Base w/Posts + Cover	1 X 1/2" 1 X 3/4" 2 X 1/2" 2 X 3/4"	BB203V▪ BB303V▪	BB206V▪ BB306V▪

▪ Add "M" final suffix for metal cover option.

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3, 6, 10, 16, 20, 26 & 32 Contacts +2 Control Contacts & Ground

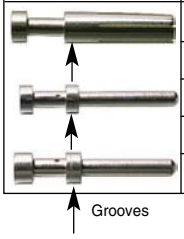
	10 + G + 2 Control	16 + G + 2 Control	20 +G + 2 Control	26 +G + 2 Control	32 +G + 2 Control
Install to Matching Series Hood/Base					

Screw Terminal Inserts		10 + G +2 Control	16 + G +2 Control	20 + G +2 Control	26 + G +2 Control	32 + G +2 Control
	Male – Pins 20-14 AWG (0.5-2.5 mm²)	MS210V	MS216V	FS110V x2	MS210V+ MS216V	2x MS216V
	Female – Sleeves 20-14 AWG (0.5-2.5 mm²)	FS110V	FS116V	FS210V x2	FS110V+ FS116V	2x FS116V

Use small blade screwdriver to push wire entry tab in for EZ contact removal.

Crimp Terminal Inserts		10 + G +2 Control	16 + G +2 Control	20 + G +2 Control	26 + G +2 Control	32 + G +2 Control
	Male Insert (Order contacts below)	MC410V	MC416V	MC410V x2	MC410V+ MC416V	2x MC416V
	Female Insert (Order contacts below)	FC310V	FC316V	FC310V x2	FC310V+ FC316V	2x FC316V

Crimp Tool	
Cat. No.	WT611TB

Contacts Selection		For all "V" Series			
Crimp Contacts	Wire AWG (mm²)	Identification	Female	Male	Switch/Control
 Grooves	20 AWG (0.5 mm²)	No Groove	FP2000	MP2000	–
	18 AWG (0.75-1 mm²)	1 Groove	FP1800	MP1800	CP1800
	16 AWG (1.5 mm²)	2 Grooves	FP1600	MP1600	CP1800
	14 AWG (2.5 mm²)	3 Grooves	FP1400	MP1400	CP1400
	12 AWG (4.0 mm²)	No Groove	FP1200	MP1200	–

Allows use of "open" interiors as separable barrier terminal blocks for panel assemblies; or can be used as OEM wiring assembly fixture

DIN Rail Adapter Mount Frames		10 + G	16 + G
	150MM long, with base for snapping onto DIN rail	AMF124	AMF124

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# of Contacts + Ground Connection

Single Lever	Double Lever	Housing	NPT Entry	V10: (10 + G) or (16 + G) + 2 Control — Lever Locking Type: Double	V20: (20 + G) or (26 + G) or (32 + G) + 2 Control — Lever Locking Type: Single
		Panel Base		PB110EV	PB348
		w/Cover			PB448
		Box Base (no Cover)	1 X 3/4" 1 X 1" 2 X 3/4" 2 X 1"	BB010EV BB110EV	BB448 BB548
		Box Base w/Cover	1 X 3/4" 1 X 1" 2 X 3/4" 2 X 1"		BB648 BB748

BASE — BASE TO HOOD

Hoods – Standard Mount

	Side Entry	1 X 3/4" 1 X 1" 1 X 1.25"	SH010V SH010V100	SH648 SH748
	Top Entry	1 X 1/2" 1 X 3/4" 1 X 1"	TH210V	TH848 TH948

HOODS — HOOD TO COUPLER

For Inline, Portable or Special Service Connections

Coupler Hoods mate to Standard Hoods ONLY.

Coupler Hoods – Inline

	Top Entry	1 X 3/4" 1 X 1" 1 X 1.25"	CH610EV CH610EV100 CH610EV125

COUPLER

Reverse Locking

Lever Hoods mate to Post Bases ONLY.

Lever Hoods – Rev. Lock

	Side Entry w/Levers	1 X 3/4"	LH010EV
	Top Entry w/Levers	1 X 3/4" 1 X 1"	LH210EV LH210EV100

HOODS — HOOD TO BASE

Post Bases accept Lever Hoods ONLY.

Bases – with Access Cover

	Panel Base w/Posts + Cover		PB210V▪
	Box Base w/Posts + Cover	1 X 3/4" 2 X 3/4"	BB210V▪ BB310V▪

BASES

▪ Add "M" final suffix for metal cover option.

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6, 10, 16 & 24 Contacts + Ground

- **High Temp 200°C Components**
- **Corrosion Resistant Housings**

	6	10	16	24
Install to Matching Series Hood/Base				

Screw Terminal Inserts		6 + G	10 + G	16 + G	24 + G
	Male – Pins 20-14 AWG (0.5-2.5 mm²)	MS206T	MS210T	MS216T	MS224T
	Female – Sleeves 20-14 AWG (0.5-2.5 mm²)	FS106T	FS110T	FS116T	FS124T

T Series Benefits:
- High temp 200°C rated inserts
- Silicone Viton® seals for molded edge gaskets*
- Corrosion resistant copper-free aluminum housings w/special finish
- UL94V-O ergonomic new thermoplastic handles
- Electro-static epoxy powder coated finish

*Viton® is a trademark of DuPont Dow Elastomers.

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High Temp 200°C

Single Lever	Double Lever	Housing	NPT Entry	# of Contacts + Ground Connection: Lever Locking Type 6 Single	10 Double	16 Double	24 Double
Bases – Standard Mount							
		Panel Base		PB306T	PB110T	PB116T	PB124T
		Box Base (no Cover)	1 X 1/2" 1 X 3/4" 2 X 1/2" 2 X 3/4"	BB406T BB506T	BB010T BB110T	BB016T BB116T	BB024T BB124T
Hoods – Standard Mount							
		Side Entry	1 X 1/2" 1 X 3/4" 1 X 1"	SH606T	SH010T	SH016T	SH024T SH124T
		Top Entry	1 X 1/2" 1 X 3/4" 1 X 1"	TH806T	TH210T	TH216T	TH224T TH324T
Coupler Hoods – Inline				For Inline, Portable or Special Service Connections Coupler Hoods mate to Standard Hoods ONLY.			
		Top Entry	1 X 1/2" 1 X 3/4" 1 X 1"	CH806T	CH610T	CH616T CH716T	CH624T CH724T

Note: Hoods and Bases are green colored to denote special T series.

BASE
BASE TO HOOD
HOODS
HOOD TO COUPLER
COUPLER

I

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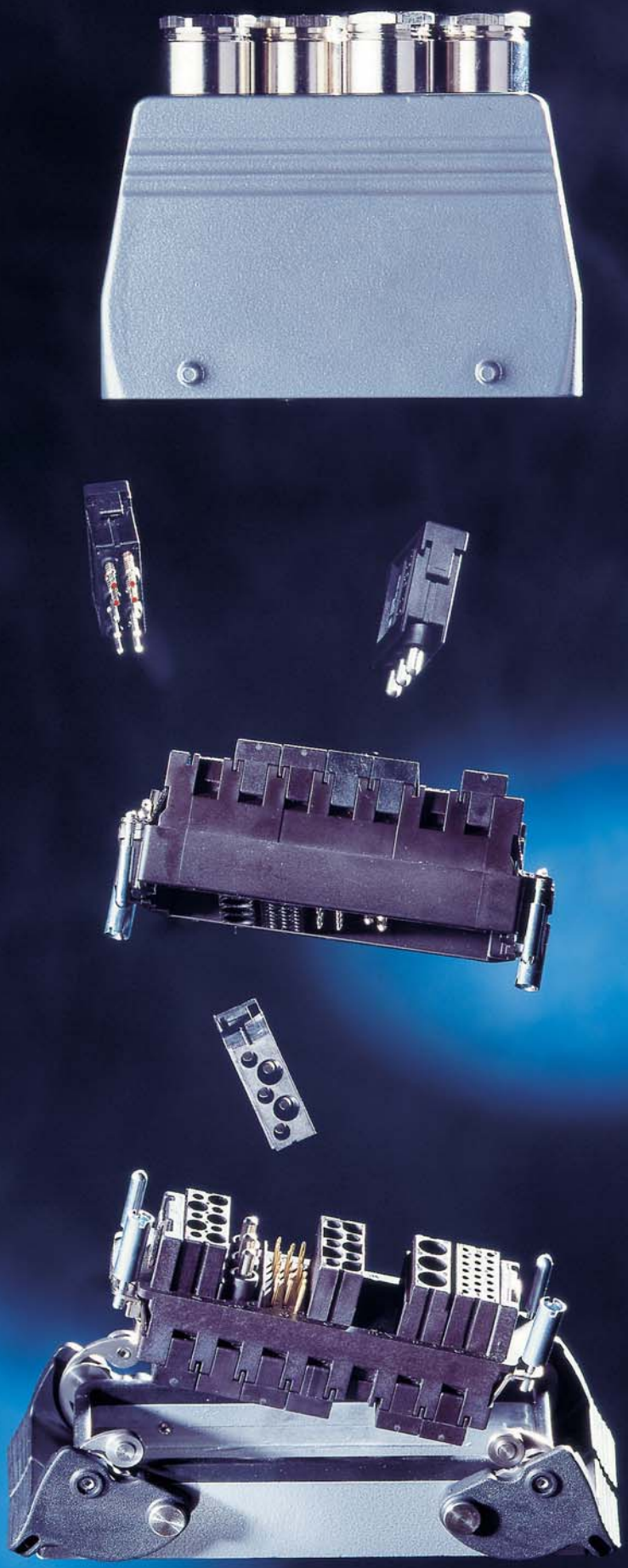
M Series



Mix and Match Modular Connections

- Signal, fiber optic, control and power connections **all in one connection point.**
- 2, 3, 5 and 7 slot insert frames provide unlimited flexibility.
- # of different contacts/# of positions each equals choice of interconnections.
- Standard single inserts:
  - → 3 pole CoAx Signal
  - → 3 pole, 50A, 600 VAC
  - → 4 pole +G, 5 pole 16A, 600VAC
  - → 5 pole, 20A, 400V
  - → 10 pole, 10A, 250V or 10 pole, POF (fiber optic)
  - → 20 pole, 5A, 63V
  - → Dummy block (MO)
- Standard B series Hoods and Bases

Easy insert removal

How to Specify

- ► Select types of contacts/circuits (see above).
- ► Select number of each (per carrier insert above).
- ► Add up to get frame size
  e.g.: 2-POF + 2-50A + 8-10A = 3 carrier inserts
  plus
  3-slot frames.
- ► Match frame size required to Hood & Base options (mating).

Contacts + Inserts + Insert Holder (Frame) + Housing

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Specifications

Number of Poles	3
Termination Method	Crimp (or solder)
Contacts	Solid Drilled, 3.6mm CoAxial Copper Alloy, Gold Plated
Rated Current	1.5A
Rated Voltage	50V
Volume Resistance	A6 milliohms
Surge Impedance	50 Ohms
Frequency Range	2 GHz

Inserts

CoAx Pin & Sleeve | **3 Position**

Crimp Terminal Inserts		3P CoAx
	Male Insert	**MC303M**
	Female Insert	**FC203M**

Contacts

Male Crimp Contacts		
	Male CoAx Pin Contact	**MCX500**
	Cable Size/Type	RG-174 RG-179 RG-316
	Male CoAx Pin Cotact	**MCX510**
	Cable Size/Type	RG-58

Female Crimp Contacts		
	Female CoAx Pin Contact	**FCX400**
	Cable Size/Type	RG-174 RG-179 RG-316
	Female CoAx Pin Cotact	**FCX410**
	Cable Size/Type	RG-58

Tools		
	Crimping Tool	**CT700TB**
	RG174, 179, 316 Crimp Die RG58 Crimp Die	**CD710TB** **CD720TB**
	Contact Removal Tool	**RT000TB**
	Insert Puller	**PT300TB**

Dummy Inserts		0
	Male Blind Insert: for Frame place keeping	**MC100M**
	Female Blind Insert: for Frame place keeping	**FC000M**

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Specifications

Number of Poles	3
Termination Method	Crimp
Contacts	Solid Drilled, 3.6mm Copper Alloy, Silver Plated
Rated Current	50 Amp
Rated Voltage	600V
Rated Impulse Voltage	8.0 kV
Test Voltage	4 kV
Volume Resistance	A1 milliohm

Inserts

Pin & Sleeve | 3 Position

Crimp Terminal Inserts		3P
	Male Insert	MC103M
	Female Insert	FC003M

Contacts

Male Crimp Pins			
	1.5 mm²	16 AWG	MP16SD50
	2.5 mm²	14 AWG	MP14SD50
	4 mm²	12 AWG	MP12SD50
	6 mm²	10 AWG	MP10SD50
	10 mm²	8 AWG	MP08SD50

Female Crimp Pins			
	1.5 mm²	16 AWG	FP16SD50
	2.5 mm²	14 AWG	FP14SD50
	4 mm²	12 AWG	FP12SD50
	6 mm²	10 AWG	FP10SD50
	10 mm²	8 AWG	FP08SD50

Tools		
	Crimping Tool	CT400TB
	RG174, 179, 316 Crimp Die	CD710TB
	Contact Removal Tool	RT000TB
	Insert Puller	PT300TB

Dummy Inserts		0
	Male Blind Insert: for Frame place keeping	MC100M
	Female Blind Insert: for Frame place keeping	FC000M

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Specifications

Number of Poles	4 +G 5
Termination Method	Crimp
Contacts	Stamped & Rolled, 2.5 mm Copper Alloy, Silver Plated
Rated Current	16A
Rated Voltage	600V
Rated Impulse Voltage	8.0 kV
Test Voltage	5.7 kV
Volume Resistance	A5 milliohms

Inserts

Pin & Sleeve | **4 & 5 Position**

Crimp Terminal Inserts		4P +G
	Male Insert	MC704M
	Female Insert	FC604M

**Ground Makes First, Breaks Last*

Crimp Terminal Inserts		5P
	Male Insert	MC705M
	Female Insert	FC605M

Contacts

Male Crimp Pins			
	0.5 – 1.5 mm²	20 – 16 AWG	MP16RF16
	1.5 – 2.5 mm²	16 – 14 AWG	MP14RF16
	2.5 – 4 mm²	12 AWG	MP12RF16

Female Crimp Pins			
	0.5 – 1.5 mm²	20 – 16 AWG	FP16RF16
	1.5 – 2.5 mm²	16 – 14 AWG	FP14RF16
	2.5 – 4 mm²	12 AWG	FP12RF16

Tools			
	Crimping Tool		CT700TB
	Crimping Die	20 – 16 AWG 16 – 14 AWG	CD730TB CD740TB
	Contact Locator	20 – 16 AWG 16 – 14 AWG	CL010TB CL020TB
	Contact Removal Tool		RT800TB
	Insert Puller		PT300TB

Dummy Inserts		0
	Male Blind Insert: for Frame place keeping	MC100M
	Female Blind Insert: for Frame place keeping	FC000M

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Specifications

Number of Poles	5
Termination Method	Crimp
Contacts	Solid Drilled, 2.5 mm Copper Alloy, Silver Plated
Rated Current	20A
Rated Voltage	400V
Rated Impulse Voltage	6.0 kV
Test Voltage	3.5 kV
Volume Resistance	A2 milliohms

Inserts

Pin & Sleeve | **5 Position**

Crimp Terminal Inserts		5P
	Male Insert	MC105M
	Female Insert	FC005M

Contacts

Male Crimp Pins			
	0.5 mm²	20 AWG	MP20SD20
	1.0 mm²	18 AWG	MP18SD20
	1.5 mm²	16 AWG	MP16SD20
	2.5 mm²	14 AWG	MP14SD20
	4 mm²	12 AWG	MP12SD20

Female Crimp Pins			
	0.5 mm²	20 AWG	FP20SD20
	1.0 mm²	18 AWG	FP18SD20
	1.5 mm²	16 AWG	FP16SD20
	2.5 mm²	14 AWG	FP14SD20
	4 mm²	12 AWG	FP12SD20

Tools			
	Crimping Tool		CT700TB
	Crimping Die	20 – 14 AWG 12 AWG	CD750TB CD760TB
	Contact Locator	20 – 14 AWG 12 AWG	CL030TB CL040TB
	Contact Removal Tool		RT000TB
	Insert Puller		PT300TB

Dummy Inserts		0
	Male Blind Insert: for Frame place keeping	MC100M
	Female Blind Insert: for Frame place keeping	FC000M

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Specifications

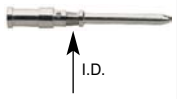
Number of Poles	10
Termination Method	Crimp
Contacts	Solid Drilled, 1.6 mm Copper Alloy, Silver Plated
Rated Current	10A
Rated Voltage	250V
Rated Impulse Voltage	4.0 kV
Test Voltage	2.2 kV
Volume Resistance	A3 milliohms

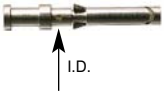
Inserts

Pin & Sleeve | **10 Position**

Crimp Terminal Inserts		10P
	Male Insert	MC110M
	Female Insert	FC010M

Contacts

Male Pins			Identification	Male
	0.37 mm²	22 AWG	1	MP22SD
	2.5 mm²	20 AWG	2	MP20SD
	4 mm²	18 AWG	3	MP18SD
	6 mm²	16 AWG	4	MP16SD
	10 mm²	14 AWG	5	MP14SD

Female Sleeves			Identification	Female
	0.37 mm²	22 AWG	1	FP22SD
	2.5 mm²	20 AWG	2	FP20SD
	4 mm²	18 AWG	3	FP18SD
	6 mm²	16 AWG	4	FP16SD
	10 mm²	14 AWG	5	FP14SD

Tools		
	Crimping Tool	WT80
	Contact Removal Tool	RT614
	Insert Puller	PT300TB

Crimping Tools		
	Fiber Optic Crimp Tool	CT610F
	Positioning Sleeve	FPS701

Fiber Optic Pin and Sleeve				
	Pin Contact	Glass P.O.F.	1mm	MPF530
	Sleeve Contact	Glass P.O.F.	1mm	FPF520

Dummy Inserts		0
	Male Blind Insert: for Frame place keeping	MC100M
	Female Blind Insert: for Frame place keeping	FC000M

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Specifications

Number of Poles	20
Termination Method	Crimp
Contacts	Stamped, Formed, 1.0 mm Copper Alloy, Gold Plated
Rated Current	5A
Rated Voltage	63V
Rated Impulse Voltage	4.0 kV
Test Voltage	1.68 kV
Volume Resistance	A5 milliohms

Inserts

Pin & Sleeve | 20P Position

Crimp Terminal Inserts		20P
	Male Insert	MC120M
	Female Insert	FC020M

Tools

Tools		
	Crimping Tool	CT500TB
	Contact Removal Tool	RT200TB
	Insert Puller	PT300TB

Contacts

Male Pins			
	0.25 mm²	28-24 AWG	MP24GS
	0.5 mm²	24-20 AWG	MP20GS

Female Sleeves			
	.25 mm²	28-24 AWG	FP24GS
	0.5 mm²	24-20 AWG	FP20GS

Dummy Inserts		0
	Male Blind Insert: for Frame place keeping	MC100M
	Female Blind Insert: for Frame place keeping	FC000M

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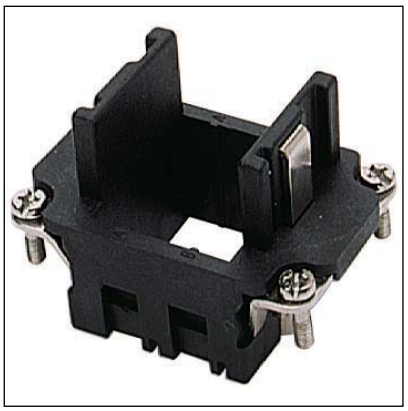
Insert Holders + Housings

of Inserts: 2

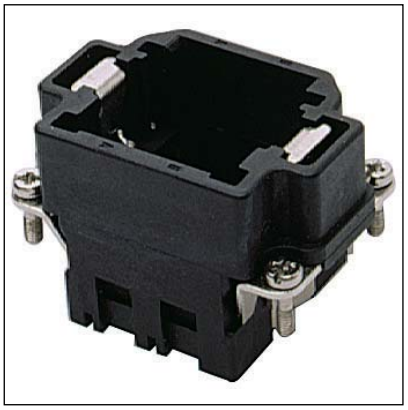
Select 2 Insert Male & Female Carrier Frames for B6 Housings; for any M-Insert

Male + Female Carrier Frame for Inserts



2 Insert Holder **Female** Frame

F2F006M



2 Insert Holder **Male** Frame

F2M106M

Single Lever Bases – Standard Mount	Housing	NPT Entry	Lever Locking Type Single	
	Panel Base		PB306■	BASE
	w/Cover		PB406■	
	Box Base (no Cover)	1 X 1/2" 1 X 3/4" 1 X 1" 2 X 1/2" 2 X 3/4" 2 X 1"	BB406 BB406H075 BB406H100 BB506 BB506H075 BB506H100	BASE TO HOOD
	Box Base w/Cover	1 X 1/2" 1 X 3/4" 1 X 1" 2 X 1/2" 2 X 3/4" 2 X 1"	BB606■ BB606H075■ BB606H100■ BB706■ BB706H075■ BB706H100■	
Hoods – Standard Mount				
	Side Entry	1 X 1/2" 1 X 3/4" 1 X 1"	SH606 SH606H075 SH606H100	HOODS
	Top Entry	1 X 1/2" 1 X 3/4" 1 X 1"	TH806 TH806H075 TH806H100	HOOD TO COUPLER

For Inline, Portable or Special Service Connections

Coupler Hoods	Coupler Hoods mate to Standard Hoods ABOVE.			
	Top Entry	1 X 1/2" 1 X 3/4" 1 X 1"	CH806 CH806H075 CH806H100	COUPLER

■ Add "M" final suffix for metal cover option.

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Insert Holders + Housings

# of Inserts
3

Select 3 Insert Male & Female Carrier Frames for B10 Housings; for any M-Insert

Male + Female Carrier Frame for Inserts

3 Insert Holder **Female** Frame
F3F010M

3 Insert Holder **Male** Frame
F3M110M

Single Lever	Double Lever	Housing	NPT Entry	Lever Locking Type: Single	Lever Locking Type: Double	
Bases – Standard Mount						
		Panel Base w/Cover		PB310 PB410	PB110E	BASE
		Box Base (no Cover)	1 X 1/2" 1 X 3/4" 1 X 1" 2 X 1/2" 2 X 3/4" 2 X 1"	BB410 BB410H075 BB410H100 BB510 BB510H075 BB410H100	BB010E BB010EH075 BB010EH100 BB110E BB110EH075 BB110EH100	BASE
		Box Base w/Cover	1 X 1/2" 1 X 3/4" 1 X 1" 2 X 1/2" 2 X 3/4" 2 X 1"	BB610■ BB610H075■ BB610H100■ BB710■ BB710H075■ BB710H100■		BASE
Hoods – Standard Mount						
		Side Entry	1 X 1/2" 1 X 3/4" 1 X 1"	SH610 SH610H075 SH610H100	SH010 SH010H075 SH010H100	HOODS
		Top Entry	1 X 1/2" 1 X 3/4" 1 X 1"	TH810 TH810H075 TH810H100	TH210 TH210H075 TH210H100	HOODS
		For Inline, Portable or Special Service Connections				
Coupler Hoods – Inline		Coupler Hoods mate to Standard Hoods.				
		Top Entry	1 X 1/2" 1 X 3/4" 1 X 1"	CH810 CH810H075 CH810H100	CH610E CH610EH075 CH610EH100	COUPLER
		Reverse Locking				
Lever Hoods – Reversed Lock		Lever Hoods mate to Post Bases ONLY.				
		Side Entry w/Lever(s)	1 X 1/2" 1 X 3/4" 1 X 1"		LH010E LH010EH075 LH010EH100	HOODS
		Top Entry w/Lever(s)	1 X 1/2" 1 X 3/4" 1 X 1"		LH210E LH210EH075 LH210EH100	HOODS
Bases – with Access Cover		Post Bases accept Lever Hoods ONLY.				
		Panel Base w/Cover			PB210■	BASES
		Box + Posts w/Cover	1 X 1/2" 1 X 3/4" 1 X 1" 2 X 1/2" 2 X 3/4" 2 X 1"		BB210■ BB210H075■ BB210H100■ BB310■ BB310H075■ BB310H100■	BASES

■ Add "M" final suffix for metal cover option.

BASE TO HOOD
HOOD TO COUPLER
HOOD TO BASE

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Insert Holders + Housings

Select 5 Insert Male & Female Carrier Frames for B16 Housings; for any M-Insert.

# of Inserts

5

Male + Female Carrier Frame for Inserts

5 Insert Holder **Female** Frame

F5F016M

Note: *AF10F216M Optional Frame available (+5 insert) Positions V -Z for B32 Housings.*

5 Insert Holder **Male** Frame

F5M116M

Note: *AF10M316M Optional Frame available (+5 insert) Positions V -Z for B32 Housings.*

Single Lever	Double Lever	Housing	NPT Entry	Lever Locking Type: Single	Lever Locking Type: Double	
Bases – Standard Mount						
		Panel Base w/Cover		PB316 PB416	PB116E	BASE
		Box Base w/Lever (no Cover)	1 X 3/4" 1 X 1" 2 X 3/4" 2 X 1"	BB416* BB416H100 BB516* BB516H100	BB016E* BB016EH100 BB116E* BB116EH100	BASE
		Box Base w/Cover & Lever	1 X 3/4" 1 X 1" 2 X 3/4" 2 X 1"	BB616*■ BB616H100■ BB716*■ BB716H100■		BASE TO HOOD
Hoods – Standard Mount						
		Side Entry w/Posts	1 X 3/4" 1 X 1"	SH616* SH716	SH016* SH116H	HOODS
		Top Entry w/Posts	1 X 3/4" 1 X 1"	TH816* TH816H100	TH216* TH316H	HOODS
For Inline, Portable or Special Service Connections						
Coupler Hoods – Inline		Coupler Hoods mate to Standard Hoods ABOVE.				
		Top Entry w/Lever(s)	1 X 3/4" 1 X 1"	CH816H CH916H	CH616EH CH716EH	COUPLER
Reverse Locking						
Lever Hoods – Reversed Lock		Lever Hoods mate to Post Bases ONLY.				
		Side Entry w/Lever(s)	1 X 3/4" 1 X 1"		LH016E LH116EH	HOODS
		Top Entry w/Lever(s)	1 X 3/4" 1 X 1"		LH216E LH316EH	HOODS
Bases – with Access Cover		Post Bases accept Lever Hoods ONLY.				
		Panel Base w/Cover			PB216■	BASES
		Box + Posts w/Cover	1 X 3/4" 1 X 1" 2 X 1/2" 2 X 3/4" 2 X 1"		BB216*■ BB216H100■ BB316*■ BB316H100■	BASES

HOOD TO COUPLER

HOOD TO BASE

*Notes: Available in Standard or HIGH Profile "H" configurations. (-add suffix)

■ Add "M" suffix for metal cover option.

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Insert Holders + Housings

of Inserts: 7

Select 7 Insert Male & Female Carrier Frames for B24 Housings; for any M-Insert

Male + Female Carrier Frame for Inserts

7 Insert Holder **Female** Frame

F7F024M

Note: *AF1024M Optional Frame available (+5 insert) Positions T-Z for B48 Housings.*

7 Insert Holder **Male** Frame

F7M124M

Note: *F104M324M Optional Frame available (+7 insert) Positions T -Z for B48 Housings.*

Single Lever	Double Lever	Housing	NPT Entry	Lever Locking Type: Single	Lever Locking Type: Double	
Bases – Standard Mount						
		Panel Base w/Cover		PB324 PB424	PB124E	BASE
		Box Base w/Lever (no Cover)	1 X 3/4" 1 X 1" 2 X 3/4" 2 X 1"	BB424* BB424H100 BB524* BB524H100	BB024E* BB024EH100 BB124E* BB124EH100	BASE TO HOOD
		Box Base w/Cover & Lever	1 X 3/4" 1 X 1" 2 X 3/4" 2 X 1"	BB624*■ BB624H100■ BB724*■ BB724H100■		
Hoods – Standard Mount						
		Side Entry w/Posts	1 X 3/4" 1 X 1" 1 X 1.25"	SH624 SH724	SH024 SH124	HOODS
		Top Entry w/Posts	1 X 3/4" 1 X 1" 1 X 1.25" RIBBON CBL	TH824 TH924 TH624RC‡	TH224 TH324 TH424RC‡	HOOD TO COUPLER

For Inline, Portable or Special Service Connections

Coupler Hoods – Inline						
		Top Entry w/Lever(s)	1 X 3/4" 1 X 1" RIBBON CBL	CH824 CH924 CH824RC‡	CH624E CH724E CH724ERC‡	COUPLER

Coupler Hoods mate to Standard Hoods ONLY.

Reverse Locking

Lever Hoods – Reversed Lock				
	Side Entry w/Lever(s)	1 X 3/4" 1 X 1"	LH024E LH124E	HOODS
	Top Entry w/Lever(s)	1 X 3/4" 1 X 1"	LH224E LH324E	HOOD TO BASE

Lever Hoods mate to Post Bases ONLY.

Bases – with Access Cover				
	Panel Base w/Posts and Cover		PB224■	BASES
	Box Base w/Posts and Cover	1 X 3/4" 2 X 3/4"	BB224■ BB324■	

Post Bases accept Lever Hoods ONLY.

*Notes: Available in Standard or HIGH Profile "H" configurations. (-add suffix)
■ Add "M" final suffix for metal cover option.
‡ See page I73 for ribbon cable kits.

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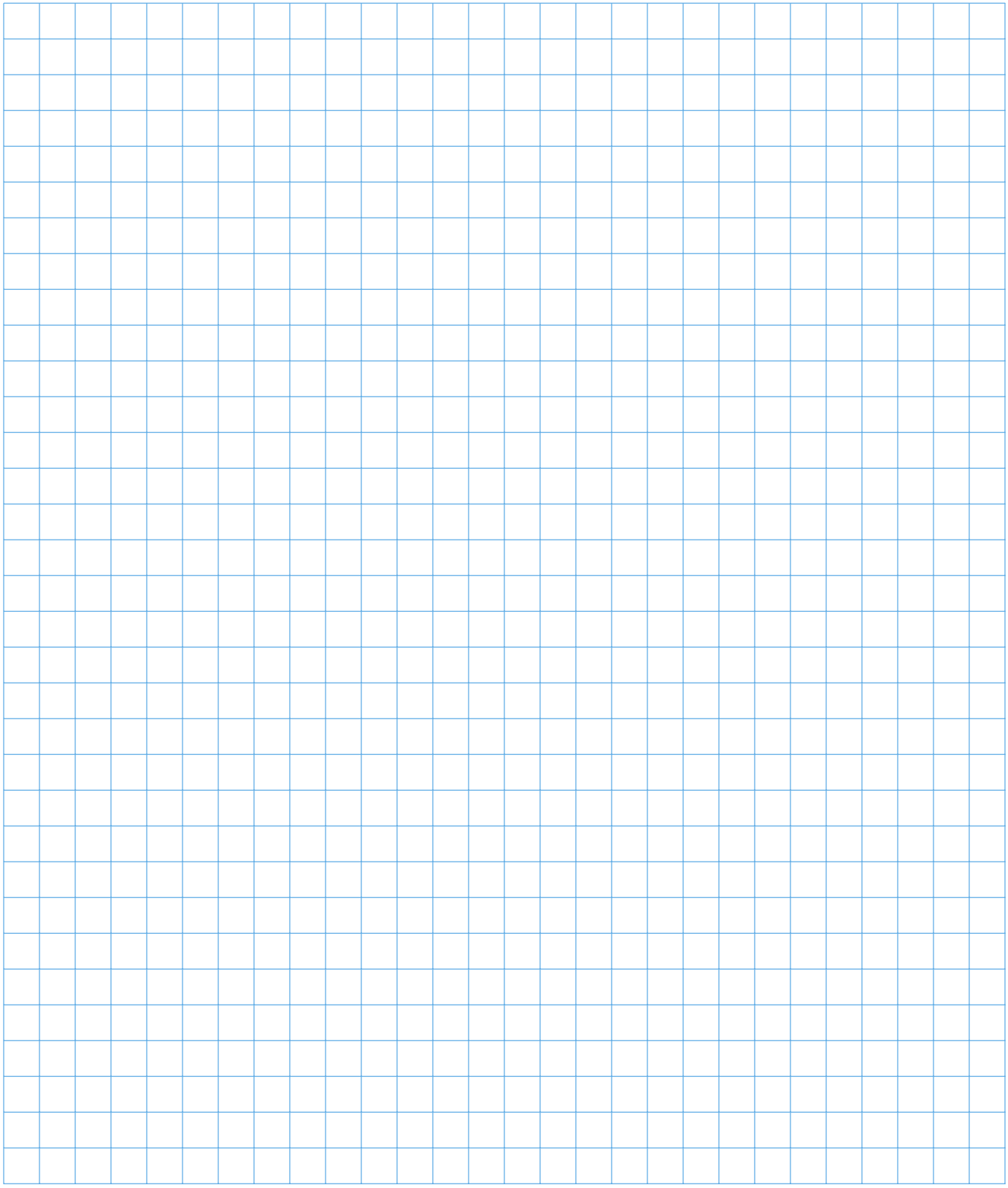

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Engineering Reference Data I54
Dimensions/Lay-In Charts I58
Dust Covers I68
Adapter Plate Selection I69
Gaskets I70
Insert Coding and Guide Pins I71
Cable and Conduit Entry Options/Fittings I72
Fiber Optic Cable Installation I74

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A Series

Specifications

DIN VDE 0627/86
DIN VDE 0110/02.79
DIN VDE 0110-1/04.97
IEC 60-664-1, DIN/IEC 512

Approvals

MEIE, EZU, SEV

Inserts

Contacts (+Ground)	3,4,10,16,32 (2x16)
Working current	A3,A4 @ 10A max. A10 - A32 @ 16A max.
Rated Voltage	600Vac
Test Voltage	4 kV eff.
Pollution Degree	3
Material	Glass Filled Thermoplastic
Temperature Range	-40C/ -40F to +125C /+257 °F
Flammability	UL94 V-0

Contacts

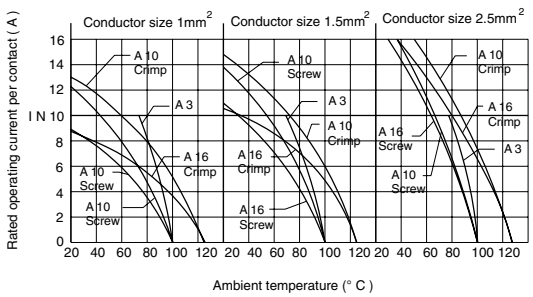
Material	Solid drilled Copper alloy
Surface	Hard Silver Plated Hard Gold Plated available
Contact Resistance	A1 milliohm
Screw Terminals:	Wire AWG:
+ with Wire Protection	20-14 AWG (0.5-2.5mm)
Crimp Terminals:	20-12 AWG (0.5-2.5mm)

Housings

Materials:	Die Cast Aluminum alloy
(EPDM Seal Gaskets)	Epoxy Powder Coat Finish
Locking Mechanisms:	@ A3, 4, 10, 16
> Single Locking Levers	Steel, Zinc & Chrome Plated @ A32
> Double Locking Levers	Steel, Zinc & Chrome Plated
Temperature Range	-40C/ -40F to +125C /+257 °F
Internal Protection	A3,4: IP44 A10,16,32: IP65 per DIN VDE 0470, IEC 529

Thermal Capacity

per DIN/IEC 512



B Series

Specifications

DIN VDE 0627/86
DDIN VDE 0110/02.79
DIN VDE 0110-1/04.97
IEC 60-664-1, DIN/IEC 512

Approvals

MEIE, EZU, SEV

Inserts

Contacts (+Ground)	6,10,16,24, 32 (2x16), 48 (2x24)
Working current	16A max.
Rated Voltage	600Vac
Test Voltage	3 kV eff.
Pollution Degree	3
Material	Glass Filled Thermoplastic
Temperature Range	-40C/ -40F to +125C /+257 °F
Flammability	UL94 V-0

Contacts

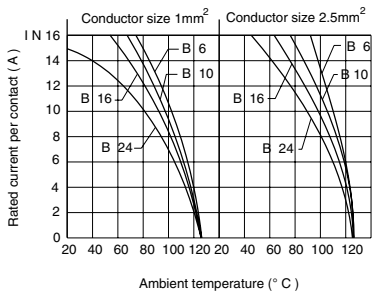
Material	Solid drilled Copper alloy
Surface	Hard Silver Plated Hard Gold Plated available
Contact Resistance	A1 milliohm
Screw Terminals:	Wire AWG:
+ with Wire Protection	20-14 AWG (0.5-2.5mm)
Crimp Terminals:	20-12 AWG (0.5-2.5mm)

Housings

Materials:	Die Cast Aluminum alloy
(EPDM Seal Gaskets)	Epoxy Powder Coat Finish
Locking Mechanisms:	
> Single Locking Levers	@ B6, 10, 24, 32, 48 Steel, Zinc & Chrome Plated
> Double Locking Levers	@ B10, 16, 24 Stainless Steel w/ high impact Thermoplastic Split Grips
> Double Locking Levers	@ 32 Steel, Zinc & Chrome Plated
Temperature Range	-40C/ -40F to +125C /+257 °F
Internal Protection	IP65 Locked Positions per DIN VDE 0470, IEC 529

Thermal Capacity

per DIN/IEC 512



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C Series

Specifications

DIN VDE 0627/86	DIN VDE 0627/86
DIN VDE 0110/02.79	DIN VDE 0110/02.79
DIN VDE 0110-1/04.97	DIN VDE 0110-1/04.97
IEC 60-664-1, DIN/IEC 512	IEC 60-664-1, DIN/IEC 512

Approvals

MEIE, EZU, SEV

Inserts

Contacts (+Ground)	6, 12 (2 x 6)
Working current	35A
Rated Voltage	600Vac
Test Voltage	3 kV eff.
Pollution Degree	3
Material	Glass Filled Thermoplastic
Temperature Range	-40C/ -40F to +125C /+257 °F
Flammability	UL94 V-0

Contacts

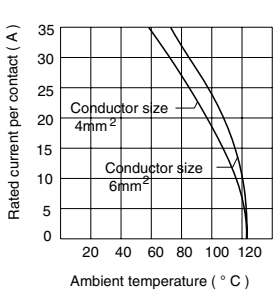
Material	Solid drilled Copper alloy
Surface	Hard Silver Plated Hard Gold Plated available
Contact Resistance	A 0.5 milliohm
Screw Terminals:	Wire AWG:
+ with Wire Protection	20-10 AWG (0.5-6.0mm)
+ w/o Wire Protection	n/

Housings

Materials:	Die Cast Aluminum alloy
(EPDM Seal Gaskets)	Epoxy Powder Coat Finish
Locking Mechanisms:	
> Single Locking Levers	@ C6, 12 Steel, Zinc & Chrome Plated
> Double Locking Levers	@ C6 Stainless Steel w/high impact Thermoplastic Split Grips
> Double Locking Levers	@ C12 Steel, Zinc & Chrome Plated
Temperature Range	-40C/ -40F to +125C /+257 °F
Internal Protection	IP65 Locked Positions per DIN VDE 0470, IEC 529

Thermal Capacity

per DIN/IEC 512



D Series

Specifications

DIN VDE 0627/86	DIN 43652
DDIN VDE 0110/02.79	
DIN VDE 0110-1/04.97	
IEC 60-664-1, DIN/IEC 512	

Approvals

MEIE, EZU, SEV

Inserts

Contacts (+Ground)	7, 8, 15, 25, 40, 50 (2x25) 64, 80 (2x40), 128 (2X64)
Working current	10A
Rated Voltage	600Vac
Test Voltage	4 kV eff.
Pollution Degree	3
Material	Glass Filled Thermoplastic
Temperature Range	-40C/ -40F to +125C /+257 °F
Flammability	UL94 V-0

Contacts

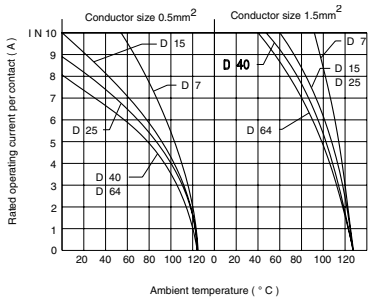
Material	Solid drilled Copper alloy
Surface	Hard Silver Plated Hard Gold Plated available
Contact Resistance	A 3 milliohm
Crimp Terminals:	Wire AWG: 26-14 AWG (0.1422.5mm)
> Glass Fibre optic Cable:	POF {0} 1MM

Housings

Materials:	Die Cast Aluminum alloy
(EPDM Seal Gaskets)	Epoxy Powder Coat Finish
Locking Mechanisms:	
> Single Locking Levers	@ D7, 8, 15, 25, 40, 64, 128 Steel, Zinc & Chrome Plated
> Double Locking Levers	@ D40, 64 Stainless Steel w/ high impact Thermoplastic Split Grips
> Double Locking Levers	@ D50, 80 Steel, Zinc & Chrome Plated
Temperature Range	-40C/ -40F to +125C /+257 °F
Internal Protection	IP65 Locked Positions per DIN VDE 0470, IEC 529

Thermal Capacity

per DIN/IEC 512



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DD Series

Specifications

DIN VDE 0627/86
DIN VDE 0110/02.79
DIN VDE 0110-1/04.97
IEC 60-664-1, DIN/IEC 512

Approvals

MEIE, EZU, SEV

Inserts

Contacts (+Ground)	24, 42, 72, 108, 144 (2x72)
Working current	216 (2x108)
	10A
Rated Voltage	600Vac
Test Voltage	2 kV eff.
Pollution Degree	3
Material	Glass Filled Thermoplastic
Temperature Range	-40C/ -40F to +125C /+257 °F
Flammability	UL94 V-0

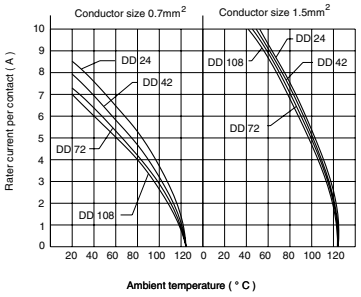
Contacts

Material	Solid drilled Copper alloy
Surface	Hard Silver Plated
	Hard Gold Plated available
Contact Resistance	A3 milliohm
Crimp Terminals:	Wire AWG:
	26-14 AWG (0.14-2.5mm)
> Glass Fibre Optic Cable:	POF {0} 1mm

Housings

Materials:	Die Cast Aluminum alloy
(EPDM Seal Gaskets)	Epoxy Powder Coat Finish
Locking Mechanisms:	
> Single Locking Levers	@ DD24, 42, 72, 108, 216
	Steel, Zinc & Chrome Plated
> Double Locking Levers	@ DD42, 72, 108
	Stainless Steel w/high impact
	Thermoplastic Split Grips
> Double Locking Levers	@ DD144
	Steel, Zinc & Chrome Plated
Temperature Range	-40C/ -40F to +125C /+257 °F
Internal Protection	IP65 Locked Positions
	per DIN VDE 0470, IEC 529

Thermal Capacity



K Series

Specifications

DIN VDE 0627/86
DDIN VDE 0110/4
VDE 0100/5.73-42a
IEC 60-664-1, DIN/IEC 512
VDE o113/1.73-10.1.3

Approvals

MEIE, EZU, SEV

Inserts

Contacts (+Ground)	8 (16A) + 4 (80A)
	16 (16A) + 8 (80A)
Working current	16A and 80A dual
Rated Voltage	600Vac
Test Voltage	2 kV eff.
Pollution Degree	3
Material	Glass Filled Thermoplastic
Temperature Range	-40C/ -40F to +125C /+257 °F
Flammability	UL94 V-0

Contacts

Material	Solid drilled Copper alloy
Surface	Hard Silver Plated
	Hard Gold Plated available
Contact Resistance	A1 milliohm
Screw Terminals:	Wire AWG:
+ with Wire Protection: (16A)	20-14 AWG (0.5-2.5mm)
(80A contacts)	18-4 AWG (1.5-16.0mm)

Housings

Materials:	Die Cast Aluminum alloy
(EPDM Seal Gaskets)	Epoxy Powder Coat Finish
Locking Mechanisms:	
> Single Locking Levers	@ K12, K24
	Steel, Zinc & Chrome Plated
> Double Locking Levers	@ K12
	Stainless Steel w/ high impact
	Thermoplastic Split Grips
Temperature Range	-40C/ -40F to +125C /+257 °F
Internal Protection	IP65 Locked Positions
	per DIN VDE 0470, IEC 529

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V Series

Specifications

DIN VDE 0627/86
DIN VDE 0110/02.79
DIN VDE 0110-1/04.97
IEC 60-664-1, DIN/IEC 512

Approvals

MEIE, EZU, SEV

Inserts

Contacts (+Ground)	3, 6, 10, 16, 20 (2x10) 26 (10+16), 32 (2x16).
Working current	16A max.
Rated Voltage	600Vac, Switch contacts 400 Vac
Test Voltage	3 kV eff.
Pollution Degree	3
Material	Glass Filled Thermoplastic
Temperature Range	-40C/ -40F to +125C /+257 °F
Flammability	UL94 V-0

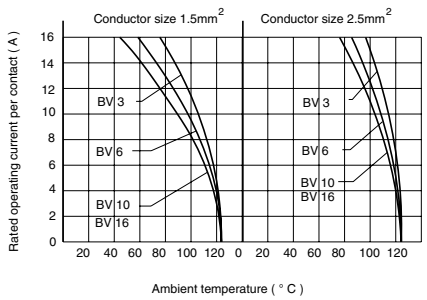
Contacts

Material	Solid drilled Copper alloy
Surface	Hard Silver Plated Hard Gold Plated available
Contact Resistance	A1 milliohm
Screw Terminals:	Wire AWG:
+ with Wire Protection	20-14 AWG (0.5-2.5mm)
Crimp Terminals:	20-12 AWG (0.5-2.5mm)

Housings

Materials:	Die Cast Aluminum alloy
(EPDM Seal Gaskets)	Epoxy Powder Coat Finish
Locking Mechanisms:	
> Single Locking Levers	@ V3, 6, 10, 16, 20, 26, 32 Steel, Zinc & Chrome Plated
> Double Locking Levers	@ V3, 6, 10, 16 Stainless Steel w/high impact Thermoplastic Split Grips
Temperature Range	-40C/ -40F to +125C /+257 °F
Internal Protection	IP65 Locked Positions per DIN VDE 0470, IEC 529

Thermal Capacity



T Series

Specifications

DIN VDE 0627/86
DDIN VDE 0110/02.79
DIN VDE 0110-1/04.97
IEC 60-664-1, DIN/IEC 512

Approvals

MEIE, EZU, SEV

Inserts

Contacts (+Ground)	6, 10, 16, 24
Working current	16A max.
Rated Voltage	600Vac, Switch contacts 400Vac
Test Voltage	3 kV eff.
Pollution Degree	3
Material	Hi-Temp Thermoplastic
Temperature Range	-40C/ -40F to +200C /+392 °F
Flammability	UL94 V-0

Contacts

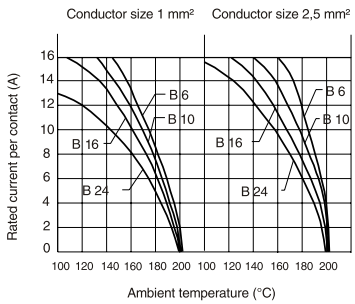
Material	Solid drilled Copper alloy
Surface	Hard Silver Plated Hard Gold Plated available
Contact Resistance	A1 milliohm
Screw Terminals:	Wire AWG:
+ with Wire Protection	20-14 AWG (0.5-2.5mm)

Housings

Materials:	Copper-Free Die Cast Aluminum alloy
(Viton® Seal Gaskets)	Green Epoxy Powder Coating
Locking Mechanisms:	
> Single Locking Levers	@T6 Stainless Steel, Black Coated
> Double Locking Levers	@ T10, 16, 24 Stainless Steel, with High Temp Thermoplastic Grips
Temperature Range	-40C/ -40F to +200 °C /+392 °F
Internal Protection	IP65 Locked Positions per DIN VDE 0470, IEC 529

Thermal Capacity

per DIN/IEC 512



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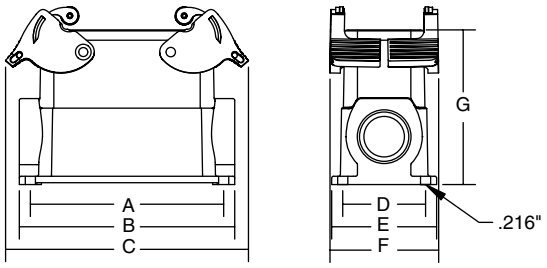
Mounting Dimensions for Double Lever Box Bases

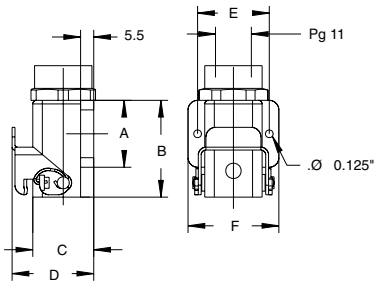


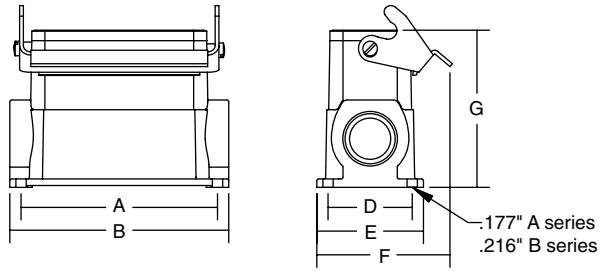
HOUSING SERIES					CAT. NO.	DIMENSIONS ARE IN INCHES / (MILLIMETERS)						
A, B, T, K	C, V	D	DD	M		A	B	C	D	E	F	G
A32	D50				BB_32A__	3.70 / (94)	4.17 / (106)	5.04 / (128)	1.81 / (46)	2.20 / (56)	2.76 / (70)	3.40 / (86.5)
B10, T10	V3		DD42	M3	BB_10E	3.23 / (82)	3.66 / (93)	4.33 / (110)	1.57 / (40)	2.05 / (52)	2.28 / (58)	2.05 / (52)
					BB_10EH__	3.23 / (82)	3.66 / (93)	4.33 / (110)	1.77 / (45)	2.24 / (57)	2.28 / (58)	2.92 / (74)
B16, T16	C6, V6	D40	DD72	M5	BB_16E	4.13 / (105)	4.61 / (117)	5.16 / (131)	1.77 / (45)	2.24 / (57)	2.28 / (58)	2.68 / (68)
					BB_16EH__	4.13 / (105)	4.61 / (117)	5.16 / (131)	1.77 / (45)	2.24 / (57)	2.28 / (58)	3.31 / (84)
B24, T24, K12	V10, V16	D64	DD108	M7	BB_24E	5.20 / (132)	5.67 / (144)	6.18 / (157)	1.77 / (45)	2.24 / (57)	2.28 / (58)	2.68 / (68)
					BB_24EH__	5.20 / (132)	5.67 / (144)	6.18 / (157)	1.77 / (45)	2.24 / (57)	2.28 / (58)	3.31 / (84)
B32	C12	D80	DD144		BB_32E	4.41 / (112)	4.88 / (124)	5.28 / (134)	2.64 / (67)	3.20 / (81.5)	3.62 / (92)	2.83 / (72)

H - HIGH PROFILE

Mounting Dimensions for Single Lever Box Bases

Right Angle Housing
A3/A4
D7/D8
Only





HOUSING SERIES					CAT. NO.	DIMENSIONS ARE IN INCHES / (MILLIMETERS)						
A, B, T, K	C, V	D	DD	M		A	B	C	D	E	F	G
A3, A4		D7, D8			BB403A(P) ▶	1.10 / (28)	1.59 / (40.5)	1.00 / (25.5)	1.42 / (36)	1.18 / (30)	1.50 / (38)	
A10		D15			BB_10A	1.89 / (48)	–	3.66 / (93)	1.57 / (40)	1.97 / (50)	2.32 / (59)	2.05 / (52)
A16		D25			BB_16A	2.52 / (64)	–	4.29 / (109)	1.57 / (40)	1.97 / (50)	2.32 / (59)	2.24 / (57)
B6, T6			DD24	M2	BB_06	2.76 / (70)	3.31 / (84)	–	1.57 / (40)	2.05 / (52)	2.72 / (69)	2.05 / (52)
					BB_06H075	2.76 / (70)	3.31 / (84)	–	1.77 / (45)	2.24 / (57)	2.72 / (69)	2.92 / (74)
					BB_06H100	2.76 / (70)	3.31 / (84)	–	1.77 / (45)	2.24 / (57)	2.72 / (69)	2.92 / (74)
B10, T10	V3		DD42	M3	BB_10	3.23 / (82)	3.66 / (93)	–	1.57 / (40)	2.05 / (52)	2.80 / (71)	2.05 / (52)
					BB_10H075	3.23 / (82)	3.66 / (93)	–	1.77 / (45)	2.24 / (57)	2.80 / (71)	2.92 / (74)
					BB_10H100	3.23 / (82)	3.66 / (93)	–	1.77 / (45)	2.24 / (57)	2.80 / (71)	2.92 / (74)
B16, T16	C6, V6	D40	DD72	M5	BB_16	4.13 / (105)	4.61 / (117)	–	1.77 / (45)	2.24 / (57)	2.91 / (74)	2.68 / (68)
					BB_16H___	4.13 / (105)	4.61 / (117)	–	1.77 / (45)	2.24 / (57)	2.91 / (74)	3.31 / (84)
B24, T24, K12	V10, V16	D64	DD108	M7	BB_24	5.20 / (132)	5.67 / (144)	–	1.77 / (45)	2.24 / (57)	2.91 / (74)	2.68 / (68)
					BB_24H___	5.20 / (132)	5.67 / (144)	–	1.77 / (45)	2.24 / (57)	2.91 / (74)	3.31 / (84)
B48, K24 V32	V20, V26,	D128	DD216		BB_48	4.37 / (111)	5.71 / (145)	–	4.17 / (106)	4.72 / (120)	6.18 / (157)	3.94 / (100)

▶ SUFFIX: A - ALUMINUM, AP - PLASTIC, H - HIGH PROFILE

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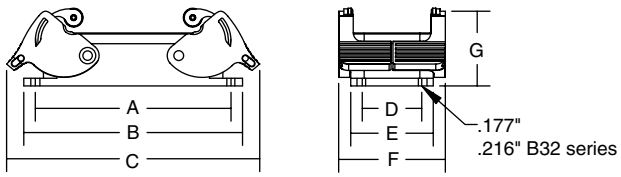
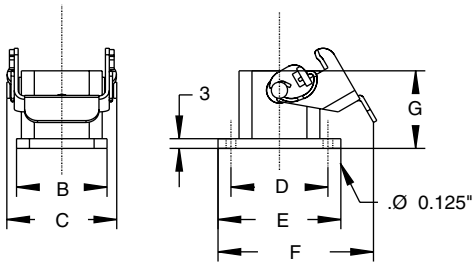
Mounting Dimensions for Double Lever Panel Bases

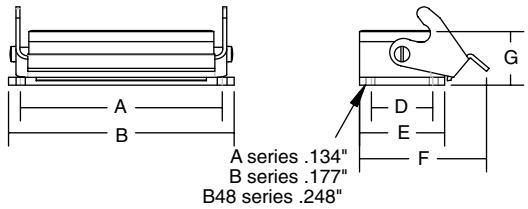


HOUSING SERIES					CAT. NO.	DIMENSIONS ARE IN INCHES / (MILLIMETERS)						
A, B, T, K	C, V	D	DD	M		A	B	C	D	E	F	G
A32		D50			**PB132A**	3.62 / (92)	4.02 / (102)	5.04 / (128)	1.65 / (28)	2.24 / (57)	2.76 / (70)	1.10 / (28)
B10, T10	V3		DD42	M3	**PB110E**	3.27 / (83)	3.66 / (93)	4.33 / (110)	1.26 / (32)	1.69 / (43)	2.28 / (58)	1.06 / (27)
B16, T16	C6, V6	D40	DD72	M5	**PB116E**	4.05 / (103)	4.49 / (114)	5.16 / (131)	1.26 / (32)	1.69 / (43)	2.28 / (58)	1.06 / (27)
B24, T24, K12	V10, V16	D64	DD108	M7	**PB124E**	5.12 / (130)	5.51 / (140)	6.19 / (157)	1.26 / (32)	1.69 / (43)	2.28 / (58)	1.06 / (27)
B32	C12	D80	DD144		**PB132E**	4.33 / (110)	4.88 / (124)	5.28 / (134)	2.56 / (65)	3.11 / (79)	3.62 / (92)	1.18 / (30)

Mounting Dimensions for Single Lever Panel Bases

A3/A4 D7/D8 Only





HOUSING SERIES					CAT. NO.	DIMENSIONS ARE IN INCHES / (MILLIMETERS)						
A, B, T, K	C, V	D	DD	M		A	B	C	D	E	F	G
A3, A4		D7, D8			**PB303A (P)▶**	–	1.10 / (28)	1.34 / (34)	1.18 / (30)	1.50 / (38)	1.67 / (42.5)	.95 / (24)
					PB403A (P)▶	–	1.10 / (28)	1.38 / (35)	1.18 / (30)	1.58 / (40)	1.85 / (47)	.95 / (24)
					PB503A (P)	1.10 / (28)	1.59 / (40.5)	1.00 / (25.5)	1.42 / (36)	1.18 / (30)	1.50 / (38)	
A10		D15			**PB310A**	2.76 / (70)	3.19 / (81)	–	.68 / (17.5)	1.20 / (30.5)	1.93 / (49)	1.02 / (26)
					PB410A	2.76 / (70)	3.19 / (81)	–	.68 / (17.5)	1.20 / (30.5)	2.95 / (75)	1.02 / (26)
A16	D25				**PB316A**	3.39 / (86)	3.78 / (96)	–	.68 / (17.5)	1.20 / (30.5)	1.93 / (49)	1.02 / (26)
					PB416A	3.39 / (86)	3.78 / (96)	–	.68 / (17.5)	1.20 / (30.5)	2.95 / (75)	1.02 / (26)
B6, T6			DD24	M2	**PB306**	2.76 / (70)	3.15 / (80)	–	1.26 / (32)	1.69 / (43)	2.56 / (65)	1.06 / (27)
					PB406	2.76 / (70)	3.15 / (80)	–	1.26 / (32)	1.69 / (43)	3.54 / (90)	1.06 / (27)
B10, T10	V3		DD42	M3	**PB310**	3.27 / (83)	3.66 / (93)	–	1.26 / (32)	1.69 / (43)	2.64 / (67)	1.06 / (27)
					PB410	3.27 / (83)	3.66 / (93)	–	1.26 / (32)	1.69 / (43)	3.62 / (92)	1.06 / (27)
B16, T16	C6, V6	D40	DD72	M5	**PB316**	4.06 / (103)	4.49 / (114)	–	1.26 / (32)	1.69 / (43)	2.64 / (67)	1.06 / (27)
					PB416	4.06 / (103)	4.49 / (114)	–	1.26 / (32)	1.69 / (43)	3.62 / (92)	1.06 / (27)
B24, T24, K12	V10, V16	D64	DD108	M7	**PB324**	5.12 / (130)	5.51 / (140)	–	1.26 / (32)	1.69 / (43)	2.64 / (67)	1.06 / (27)
					PB424	5.12 / (130)	5.51 / (140)	–	1.26 / (32)	1.69 / (43)	3.62 / (92)	1.06 / (27)
B48, K24 V32	V20, V26,	D128	DD216		**PB348**	5.83 / (148)	6.50 / (165)	–	2.76 / (70)	3.54 / (90)	6.18 / (157)	1.61 / (41)
					PB448	5.83 / (148)	6.50 / (165)	–	2.76 / (70)	3.54 / (90)	6.81 / (173)	1.61 / (41)

▶ **SUFFIX: A - ALUMINUM, P - PLASTIC**

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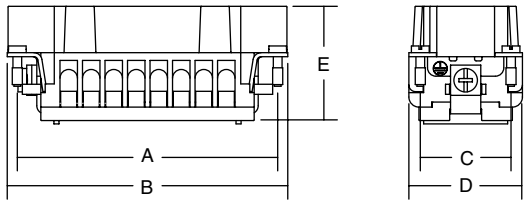
Mounting Dimensions for Screw and Crimp Terminal Inserts



INSERT SERIES					MATING	DIMENSIONS ARE IN INCHES / (MILLIMETERS)				
A, B, T, K	C, V	D	DD	M		A	B	C	D	E
A3, A4					BOTH	–	.83 / (21)	–	.83 / (21))	.98 / (25)
		D7, D8			FEMALE	–	.83 / (21)	–	.83 / (21)	1.25 / (31.8)
					MALE	–	.83 / (21)	–	.83 / (21)	1.19 / (30.2)
A10		D15			FEMALE	1.95 / (49.5)	2.22 / (56.5)	.63 / (16)	1.34 / (34)	1.14 / (29)
					MALE	1.95 / (49.5)	2.22 / (56.5)	.63 / (16)	1.34 / (34)	1.26 / (32)
A16		D25			FEMALE	2.60 / (66)	2.87 / (73)	.63 / (16)	1.34 / (34)	1.14 / (29)
					MALE	2.60 / (66)	2.87 / (73)	.63 / (16)	1.34 / (34)	1.26 / (32)
A32		D50			FEMALE	2.60 / (66)	2.87 / (73)	.63 / (16) x 2	1.34 / (34)	1.14 / (29)
					MALE	2.60 / (66)	2.87 / (73)	.63 / (16) x 2	1.34 / (34)	1.26 / (32)
B6, T6			DD24	M2	FEMALE	1.73 / (44)	2.01 / (51)	1.063 / (27)	1.34 / (34)	1.46 / (37)
					MALE	1.73 / (44)	2.01 / (51)	1.063 / (27)	1.34 / (34)	1.38 / (35)
B10, T10	V3		DD42	M3	FEMALE	2.24 / (57)	2.52 / (64)	1.063 / (27)	1.34 / (34)	1.46 / (37)
					MALE	2.24 / (57)	2.52 / (64)	1.063 / (27)	1.34 / (34)	1.38 / (35)
B16, T16	C6, V6	D40	DD72	M5	FEMALE	3.05 / (77.5)	3.33 / (84.5)	1.063 / (27)	1.34 / (34)	1.48 / (37.5)
					MALE	3.05 / (77.5)	3.33 / (84.5)	1.063 / (27)	1.34 / (34)	1.40 / (35.5)
B24, T24, K12	V10, V16	D64	DD108	M7	FEMALE	4.09 / (104)	4.37 / (111)	1.063 / (27)	1.34 / (34)	1.48 / (37.5)
					MALE	4.09 / (104)	4.37 / (111)	1.063 / (27)	1.34 / (34)	1.40 / (35.5)
B32	C12	D80	DD144		FEMALE	3.05 / (77.5)	3.33 / (84.5)	1.063 / (27) x 2	1.34 / (34)	1.48 / (37.5)
					MALE	3.05 / (77.5)	3.33 / (84.5)	1.063 / (27) x 2	1.34 / (34)	1.40 / (35.5)
B48, K24	V20, V26, V32	D128	DD216		FEMALE	4.09 / (104)	4.37 / (111)	1.063 / (27) x 2	1.34 / (34)	1.48 / (37.5)
					MALE	4.09 / (104)	4.37 / (111)	1.063 / (27) x 2	1.34 / (34)	1.40 / (35.5)

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Insert Screw Torque Specifications

SERIES	Screw Location	Unit of Measure	Pozi-Drive point Screwdriver	Std. Straight-blade Screwdriver
A3 A4	wire termination screw	Newton meters	0.4	0.9
		Inch ounces	57	127
	insert grounding screw	Newton meters	0.6	0.8
		Inch ounces	85	113
D7 D8	grounding screw	Newton meters	0.4	0.4
		Inch ounces	57	57
A10 A16 A32	wire termination screw	Newton meters	0.4	0.9
		Inch ounces	57	127
	insert fastening screw	Newton meters	0.7	1.1
		Inch ounces	99	156
	insert grounding screw	Newton meters	0.7	1.3
		Inch ounces	99	184
D15 D25 D50	insert fastening screw	Newton meters	0.7	1.1
		Inch ounces	99	156
	insert grounding screw	Newton meters	0.7	1.3
		Inch ounces	99	184
B T V	wire termination screw	Newton meters	0.4	0.6
		Inch ounces	57	85
	insert fastening screw	Newton meters	0.7	1.1
		Inch ounces	99	156
	insert grounding screw	Newton meters	1.2	1.9
		Inch ounces	170	269
C	wire termination screw	Newton meters	0.7	1.3
		Inch ounces	99	184
	insert fastening screw	Newton meters	0.7	1.1
		Inch ounces	99	156
	insert grounding screw	Newton meters	2.3	2.3
		Inch ounces	326	326
K	wire termination screw	Newton meters	*0.5 / 1.4	-
		Inch ounces	*71 / 198	-
	insert fastening screw	Newton meters	0.7	-
		Inch ounces	99	-
	insert grounding screw	Newton meters	2.3	-
		Inch ounces	326	-

*** 16A / 80A contacts** **(NOTE: Inch/ounces /16.0 = Pound /Inches)**

Insert Mounting Screws accept a Pozi-drive screwdriver head. Common cross-point or bladed screwdrivers will also work. Specs refer to Pozi-drive or bladed common torque only.

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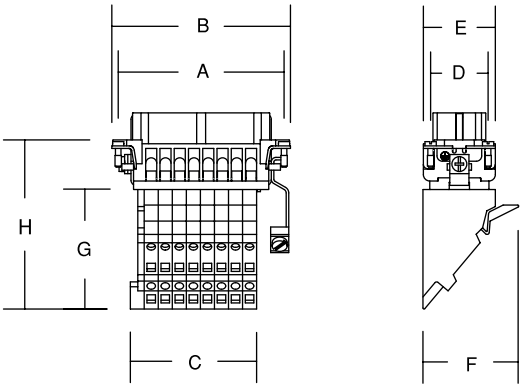
Mounting Dimensions for Wiring Adapters



INSERT SERIES	CAT. NO.	DIMENSIONS ARE IN INCHES / (MILLIMETERS)							
		A	B	C	D	E	F	G	H
B6	FS106WAL	1.73 / (44)	2.01 / (51)	1.03 / (26.3)	1.06 / (27)	1.34 / (34)	1.77 / (45)	2.28 / (58)	3.54 / (90)
	FS106WAR								
	MS206WAL								
	MS206WAR								
B10	FS110WAL	2.13 / (54)	2.52 / (64)	1.55 / (39.5)	1.06 / (27)	1.34 / (34)	1.77 / (45)	2.28 / (58)	3.54 / (90)
	FS110WAR								
	MS210WAL								
	MS210WAR								
B16	FS116WAL	3.05 / (77.5)	3.32 / (84.5)	2.33 / (59.3)	1.06 / (27)	1.34 / (34)	1.77 / (45)	2.28 / (58)	3.54 / (90)
	FS116WAR								
	MS216WAL								
	MS216WAR								
B24	FS124WAL	4.09 / (104)	4.37 / (111)	3.36 / (85.7)	1.06 / (27)	1.34 / (34)	1.77 / (45)	2.28 / (58)	3.54 / (90)
	FS124WAR								
	MS224WAL								
	MS224WAR								
D40	FS340WAL	3.05 / (77.5)	3.27 / (83)	2.21 / (56)	1.06 / (27)	1.34 / (34)	3.19 / (81)	4.53 / (115)	5.12 / (130)
	MS440WAL								
D64	FS364WAL	4.09 / (104)	4.33 / (110)	3.39 / (86.3)	1.06 / (27)	1.34 / (34)	3.19 / (81)	4.53 / (115)	5.12 / (130)
	MS464WAL								

(-WAL) - GROUND LEFT **(-WAR) - GROUND RIGHT**

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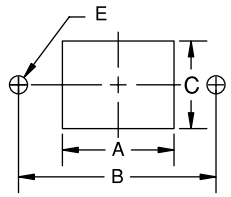
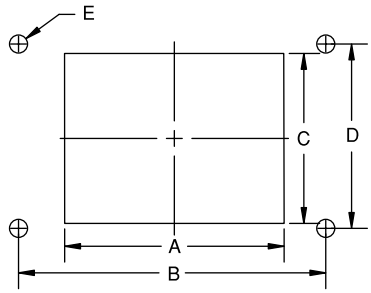
Panel Cut Out Dimensions for Panel Bases

A3/A4 D7/D8 Only





HOUSING SERIES					DIMENSIONS ARE IN INCHES / (MILLIMETERS)				
A, B, T, K	C, V	D	DD	M	A	B	C	D	E
A3, A4		D7, D8			.83 / (21)	1.18 / (30)	.83 / (21)	–	.125 / (3.2)
A10		D15			1.71 / (43.5)	2.76 / (70)	.95 / (24)	.68 / (17.5)	.134 / (3.4)
A16		D25			2.36 / (60)	3.39 / (86)	.95 / (24)	.68 / (17.5)	.134 / (3.4)
A32		D50			2.36 / (60)	3.62 / (92)	1.89 / (48)	1.65 / (28)	.177 / (4.5)
B6, T6			DD24	M2	1.42 / (36)	2.76 / (70)	1.38 / (35)	1.26 / (32)	.177 / (4.5)
B10, T10	V3		DD42	M3	1.93 / (49)	3.27 / (83)	1.38 / (35)	1.26 / (32)	.177 / (4.5)
B16, T16	C6, V6	D40	DD72	M5	2.84 / (72)	4.06 / (103)	1.38 / (35)	1.26 / (32)	.177 / (4.5)
B24, T24, K12	V10, V16	D64	DD108	M7	3.86 / (98)	5.12 / (130)	1.38 / (35)	1.26 / (32)	.177 / (4.5)
B32	C12	D80	DD144		2.84 / (72)	4.33 / (110)	2.80 / (71)	2.56 / (65)	.216 / (5.5)
B48, K24	V20, V26, V32	D128	DD216		3.86 / (98)	5.83 / (148)	2.80 / (71)	2.76 / (70)	.248 / (6.3)

*** Dimensions reflect dual inserts mounting.**

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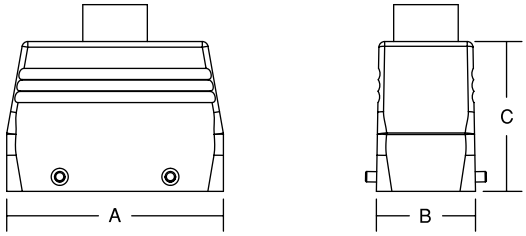
Mounting Dimensions for Double Post Hoods



HOUSING SERIES					CAT. NO.	DIMENSIONS ARE IN INCHES / (MILLIMETERS)		
A, B, T, K	C, V	D	DD	M		A	B	C
A32		D50			**SH_32A**	3.23 / (82)	2.21 / (56)	2.99 / (76)
					TH_32A	3.23 / (82)	2.21 / (56)	2.99 / (76)
B10, T10	V3		DD42	M3	**SH_10**	2.87 / (73)	1.69 / (43)	2.05 / (52)
					SH_10H___	2.87 / (73)	1.69 / (43)	2.05 / (52)
					TH_10	2.87 / (73)	1.69 / (43)	2.05 / (52)
					TH_10H___	2.87 / (73)	1.69 / (43)	2.05 / (52)
B16, T16	C6, V6	D40	DD72	M5	**SH_16**	3.70 / (94)	1.69 / (43)	2.56 / (65)
					SH_16H	3.70 / (94)	1.69 / (43)	2.99 / (76)
					SH_16L	3.70 / (94)	1.69 / (43)	2.36 / (60)
					TH_16	3.70 / (94)	1.69 / (43)	2.56 / (65)
					TH_16H	3.70 / (94)	1.69 / (43)	2.99 / (76)
					TH_16L	3.70 / (94)	1.69 / (43)	2.36 / (60)
B24, T24, K12	V10, V16	D64	DD108	M7	**SH_24**	4.72 / (120)	1.69 / (43)	2.36 / (60)
					SH_24H	4.72 / (120)	1.69 / (43)	2.99 / (76)
					TH_24	4.72 / (120)	1.69 / (43)	2.21 / (56)
					TH_24H	4.72 / (120)	1.69 / (43)	2.99 / (76)
					TH424RC	4.72 / (120)	1.69 / (43)	2.99 / (76)
B32	C12	D80	DD144		**SH_32**	3.70 / (94)	3.11 / (79)	3.15 / (80)
					TH_32	3.70 / (94)	3.11 / (79)	3.15 / (80)

► SUFFIX: A - ALUMINUM, AP - PLASTIC, H - HIGH PROFILE, L - LOW PROFILE, RC - RIBBON CABLE (TOP)

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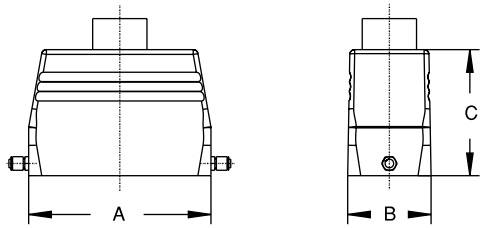
Mounting Dimensions for Single Post Hoods



HOUSING SERIES					CAT. NO.	DIMENSIONS ARE IN INCHES / (MILLIMETERS)		
A, B, T, K	C, V	D	DD	M		A	B	C
A3, A4		D7, D8			SH603A(P)►	1.04 / (26.5)	1.04 / (26.5)	1.89 / (48)
					TH803A(P)►	1.04 / (26.5)	1.04 / (36.5)	1.89 / (48)
A10		D15			SH_10A	2.48 / (63)	1.42 / (36)	2.60 / (66)
					SH_10AL	2.48 / (63)	1.16 / (29.5)	2.09 / (53)
					TH_10A	2.48 / (63)	1.42 / (36)	2.60 / (66)
					TH_10AL	2.48 / (63)	1.16 / (29.5)	2.09 / (53)
A16		D25			SH_16A	3.13 / (79.5)	1.42 / (36)	2.84 / (72)
					SH_16AL	3.13 / (79.5)	1.16 / (29.5)	2.28 / (58)
					TH_16A	3.13 / (79.5)	1.42 / (36)	2.84 / (72)
					TH_16AL	3.13 / (79.5)	1.16 / (29.5)	2.28 / (58)
B6, T6			DD24	M2	SH_606	2.36 / (60)	1.69 / (43)	1.69 / (43)
					SH_606Hxxx	2.36 / (60)	1.69 / (43)	2.84 / (72)
					TH_806	2.36 / (60)	1.69 / (43)	1.69 / (43)
					TH_806Hxxx	2.36 / (60)	1.69 / (43)	2.84 / (72)
B10, T10	V3		DD42	M3	SH_610	2.87 / (73)	1.69 / (43)	2.05 / (52)
					SH_610Hxxx	2.87 / (73)	1.69 / (43)	2.84 / (72)
					TH_810	2.87 / (73)	1.69 / (43)	2.05 / (52)
					TH_810Hxxx	2.87 / (73)	1.69 / (43)	2.84 / (72)
B16, T16	C6, V6	D40	DD72	M5	SH_616	3.70 / (94)	1.69 / (43)	2.56 / (65)
					SH_616H	3.70 / (94)	1.69 / (43)	2.99 / (76)
					SH_616L	3.70 / (94)	1.69 / (43)	2.36 / (60)
					TH_816	3.70 / (94)	1.69 / (43)	2.56 / (65)
					TH_816H	3.70 / (94)	1.69 / (43)	2.99 / (76)
					TH_816L	3.70 / (94)	1.69 / (43)	2.36 / (60)
					TH816RC	3.70 / (94)	1.69 / (43)	2.99 / (76)
B24, T24 K12	V10, V16	D64	DD108	M7	SH_624	4.72 / (120)	1.69 / (43)	2.99 / (76)
					SH_624L	4.72 / (120)	1.69 / (43)	2.36 / (60)
					TH_824	4.72 / (120)	1.69 / (43)	2.99 / (76)
					TH824L	4.72 / (120)	1.69 / (43)	2.36 / (60)
					TH624RC	4.72 / (120)	1.69 / (43)	2.99 / (76)
B48, K24	V20, V26, V32	D128	DD216		SH_48	5.16 / (131.5)	3.50 / (89)	3.78 / (96)
					TH_48	5.16 / (131.5)	3.50 / (89)	3.78 / (96)

► SUFFIX: AP - PLASTIC, H - HIGH PROFILE, L - LOW PROFILE, RC - RIBBON CABLE (TOP ENTRY ONLY)

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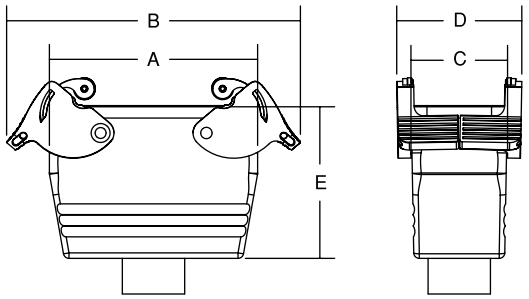
Mounting Dimensions for Double Lever Coupler Hoods

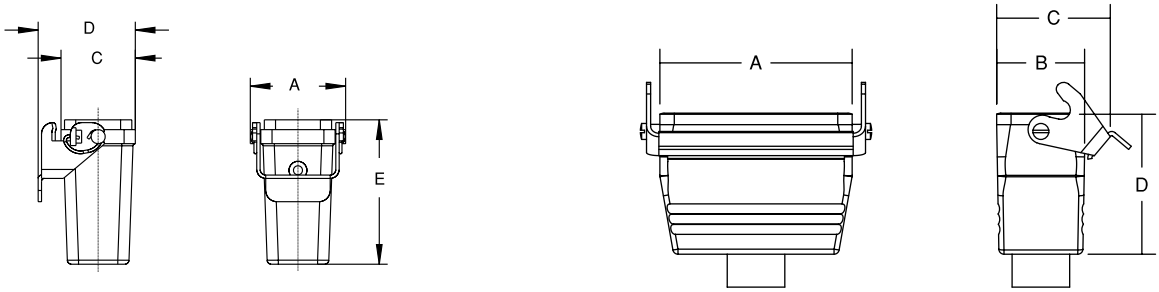


HOUSING SERIES					CAT. NO.	DIMENSIONS ARE IN INCHES / (MILLIMETERS)				
A, B, T, K	C, V	D	DD	M		A	B	C	D	E
B10, T10	V3		DD42	M3	CH610E	2.87 / (73)	4.33 / (110)	1.69 / (43)	2.28 / (58)	2.02 / (51.5)
					CH610EHxxx	2.87 / (73)	4.33 / (110)	1.69 / (43)	2.28 / (58)	2.87 / (73)
B16, T16	C6, V6	D40	DD72	M5	CH_16E	3.70 / (94)	5.16 / (131)	1.69 / (43)	2.28 / (58)	2.72 / (69)
					CH_16EH	3.70 / (94)	5.16 / (131)	1.69 / (43)	2.28 / (58)	3.15 / (80)
					CH616ERC	3.70 / (94)	5.16 / (131)	1.69 / (43)	2.28 / (58)	3.15 / (80)
B24, T24, K12	V10, V16	D64	DD108	M7	CH_24E	4.72 / (120)	6.18 / (157)	1.69 / (43)	2.28 / (58)	3.15 / (80)
					CH624ERC	4.72 / (120)	6.18 / (157)	1.69 / (43)	2.28 / (58)	3.15 / (80)
B32	C12	D80	DD144		CH_32E	3.70 / (94)	5.28 / (134)	3.11 / (79)	3.62 / (92)	3.23 / (82)

H - HIGH PROFILE, RC - RIBBON CABLE (TOP ENTRY)

Mounting Dimensions for Single Lever Coupler Hoods

A3/A4 D7/D8 Only



HOUSING SERIES					CAT. NO.	DIMENSIONS ARE IN INCHES / (MILLIMETERS)				
A, B, T, K	C, V	D	DD	M		A	B	C	D	E
A3, A4		D7, D8			CH803A(P)►	1.34 / (34)	–	1.04 / (26.5)	1.43 / (36.5)	2.02 / (51.5)
A10		D15			CH810A	2.48 / (63)	–	1.16 / (29.5)	1.92 (49)	1.89 / (48)
A16		D25			CH816A	3.13 / (79.5)	–	1.16 / (29.5)	1.92 (49)	2.09 / (53)
B6, T6			DD24	M2	CH806	2.36 / (60)	–	1.69 / (43)	2.56 / (65)	2.02 / (51.5)
					CH806Hxxx	2.36 / (60)	–	1.69 / (43)	2.56 / (65)	2.87 / (73)
B10, T10	V3		DD42	M3	CH810	2.87 / (73)	–	1.69 / (43)	2.64 / (67)	2.02 / (51.5)
					CH810Hxxx	2.87 / (73)	–	1.69 / (43)	2.64 / (67)	2.87 / (73)
B16, T16	C6, V6	D40	DD72	M5	CH_16	3.70 / (94)	–	1.69 / (43)	2.64 / (67)	2.72 / (69)
					CH_16H	3.70 / (94)	–	1.69 / (43)	2.64 / (67)	3.15 / (80)
					CH616RC	3.70 / (94)	–	1.69 / (43)	2.64 / (67)	3.15 / (80)
B24, T24, K12	V10, V16	D64	DD108	M7	CH_24	4.72 / (120)	–	1.69 / (43)	2.64 / (67)	3.15 / (80)
					CH824RC	4.72 / (120)	–	1.69 / (43)	2.64 / (67)	3.15 / (80)

►SUFFIX: A - ALUMINUM, AP - PLASTIC, H - HIGH PROFILE, L - LOW PROFILE, RC - RIBBON CABLE (TOP ENTRY ONLY)

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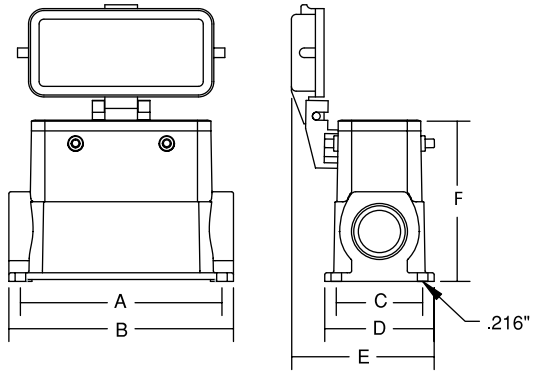
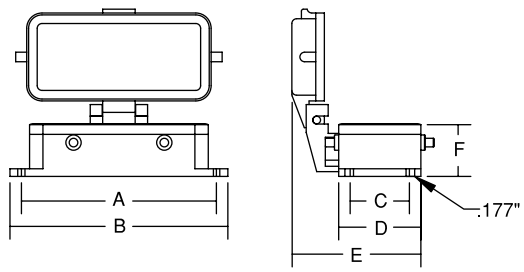
Mounting Dimensions for Double Post Box Bases (Reverse Locking)



HOUSING SERIES					CAT. NO.	DIMENSIONS ARE IN INCHES / (MILLIMETERS)					
A, B, T, K	C, V	D	DD	M		A	B	C	D	E	F
A32		D50			**BB_32A**	3.70 / (94)	4.17 / (106)	1.81 / (46)	2.32 / (59)	3.11 / (79)	3.20 / (81.5)
					BB_32A100	3.70 / (94)	4.17 / (106)	1.81 / (46)	2.32 / (59)	3.11 / (79)	3.20 / (81.5)
B10, T10	V3		DD42	M3	**BB_10**	3.23 / (82)	3.66 / (93)	1.56 / (40)	2.05 / (52)	2.87 / (73)	2.05 / (52)
					BB_10H___	3.23 / (82)	3.66 / (93)	1.77 / (45)	2.24 / (57)	2.97 / (75.5)	2.91 / (74)
B16, T16	C6, V6	D40	DD72	M5	**BB_16**	4.13 / (105)	4.61 / (117)	1.77 / (45)	2.24 / (57)	2.97 / (75.5)	2.68 / (68)
					BB_16H___	4.13 / (105)	4.61 / (117)	1.77 / (45)	2.24 / (57)	2.97 / (75.5)	3.31 / (84)
B24, T24, K12	V10, V16	D64	DD108	M7	**BB_24**	5.20 / (132)	5.67 / (144)	1.77 / (45)	2.24 / (57)	2.97 / (75.5)	2.68 / (68)
					BB_24H___	5.20 / (132)	5.67 / (144)	1.77 / (45)	2.24 / (57)	2.97 / (75.5)	3.31 / (84)

H - HIGH PROFILE

Mounting Dimensions for Double Post Panel Bases (Reverse Locking)



HOUSING SERIES					CAT. NO.	DIMENSIONS ARE IN INCHES / (MILLIMETERS)					
A, B, T, K	C, V	D	DD	M		A	B	C	D	E	F
A32		D50			**PB232A**	3.62 / (92)	4.02 / (102)	1.65 / (42)	2.24 / (57)	3.15 / (80)	1.10 / (28)
B10, T10	V3		DD42	M3	**PB210**	3.27 / (83)	3.66 / (93)	1.26 / (32)	1.69 / (43)	2.68 / (68.5)	1.06 / (27)
B16, T16	C6, V6	D40	DD72	M5	**PB216**	4.06 / (103)	4.49 / (114)	1.26 / (32)	1.69 / (43)	2.68 / (68.5)	1.06 / (27)
B24, T24, K12	V10, V16	D64	DD108	M7	**PB224**	5.12 / (130)	5.51 / (140)	1.26 / (32)	1.69 / (43)	2.68 / (68.5)	1.06 / (27)

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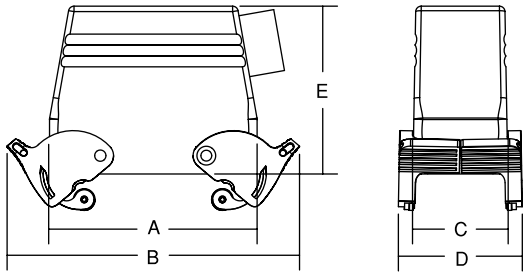
Mounting Dimensions for Double Lever Hoods (Reverse Locking)



HOUSING SERIES					CAT. NO.	DIMENSIONS ARE IN INCHES / (MILLIMETERS)				
A, B, T, K	C, V	D	DD	M		A	B	C	D	E
A32		D50			**LH_32A**	3.23 / (82)	5.04 / (128)	2.21 / (56)	2.76 / (70)	2.99 / (76)
B10, T10	V3		DD42	M3	**LH_10E**	2.87 / (73)	4.33 / (110)	1.69 / (43)	2.28 / (58)	1.89 / (48)
					LH_10EH___	2.87 / (73)	4.33 / (110)	1.69 / (43)	2.28 / (58)	2.84 / (72)
B16, T16	C6, V6	D40	DD72	M5	**LH_16E**	3.70 / (94)	5.16 / (131)	1.69 / (43)	2.28 / (58)	2.56 / (65)
					LH_16EH	3.70 / (94)	5.16 / (131)	1.69 / (43)	2.28 / (58)	2.99 / (76)
B24, T24, K12	V10, V16	D64	DD108	M7	**LH_24E**	4.72 / (120)	6.18 / (157)	1.69 / (43)	2.28 / (58)	2.99 / (76)

H - HIGH PROFILE

Dust Covers for Housings

HOUSING SERIES					FOR SINGLE LEVER HOUSINGS	FOR DOUBLE LEVER HOUSINGS	FOR SINGLE POST HOUSINGS	FOR DOUBLE POST HOUSINGS
A, B, T, K	C, V	D	DD	M				
A3, A4		D7, D8			**DCL103A-1**			
A10		D15			**DCL110A-1**		**DCS110A-1**	
A16		D25			**DCL116A-1**		**DCS116A-1**	
A32		D50				**DCL232A-1/DCL432A-1***		**DCS232A-1**
B6, T6 ❑			DD24	M2	**DCL106B-1**			
B10, T10 ❑	V3		DD42	M3	**DCL110B-1**	**DCL210B-1/DCL410B-1***		
B16, T16 ❑	C6, V6	D40	DD72	M5	**DCL116B-1**	**DCL216B-1/DCL416B-1***		
B24, T24 ❑, K12	V10, V16	D64	DD108	M7	**DCL124B-1**	**DCL224B-1/DCL424B-1***		

(*) COMES WITH GASKET FOR HOODS W/LEVERS AND W/O GASKETS

❑ DUST COVERS TESTED ONLY TO 125°C (IF APPLIED TO 200°C SERIES T)

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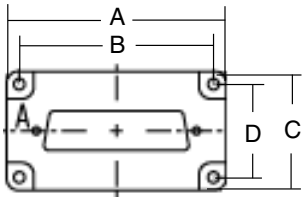
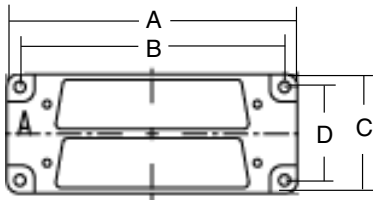
Sub-Miniature Adapter Plate Selection Guide

HOUSING SERIES					SUB-MINIATURE CONNECTOR				
A, B, T, K	C, V	D	DD	M	DB9	DB15	DB25	DB37	DB50
A3, A4		D7, D8				NO ADAPTER FOR THIS SERIES			
A10		D15			**AP681A10**	**AP677A10**	**AP678A10**		
A16		D25						**AP682A16**	**AP683A16**
A32		D50							
B6, T6	DD24	M2			**AP796B6**	**AP797B6**			
					AP802B6*	**AP803B6***			
B10, T10	V3		DD42	M3			**AP798B10**		
							AP804B10*		
B16, T16	C6, V6	D40	DD72	M5				**AP799B16**	**AP800B16**
								AP805B16*	**AP806B16***
B24, T24, K12	V10, V16	D64	DD108	M7		N/A			
B32	C12	D80	DD144			N/A			
B48, K24	V20, V26, V32	D128	DD216			N/A			

*** DUAL MOUNTING**

Sub-Miniature Adapter Plate Mounting Dimensions





*** DUAL MOUNTING**

CAT. NO.	DIMENSIONS ARE IN INCHES / (MILLIMETERS)			
	A	B	C	D
AP677A10	2.22 / (56.5)	.91 / (23)	1.95 / (49.5)	.63 / (16)
AP678A10	2.22 / (56.5)	.91 / (23)	1.95 / (49.5)	.63 / (16)
AP681A10	2.22 / (56.5)	.91 / (23)	1.95 / (49.5)	.63 / (16)
AP682A16	2.87 / (73)	.91 / (23)	2.60 / (66)	.63 / (16)
AP683A16	2.87 / (73)	.91 / (23)	2.60 / (66)	.63 / (16)
AP796B6	2.03 / (51.5)	1.73 / (44)	1.36 / (34.5)	1.06 / (27)
AP797B6	2.03 / (51.5)	1.73 / (44)	1.36 / (34.5)	1.06 / (27)
AP798B10	2.54 / (64.5)	2.24 / (57)	1.36 / (34.5)	1.06 / (27)
AP799B16	3.35 / (85)	3.05 / (77.5)	1.36 / (34.5)	1.06 / (27)
AP800B16	3.35 / (85)	3.05 / (77.5)	1.36 / (34.5)	1.06 / (27)
AP802B6*	2.03 / (51.5)	1.73 / (44)	1.36 / (34.5)	1.06 / (27)
AP803B6*	2.03 / (51.5)	1.73 / (44)	1.36 / (34.5)	1.06 / (27)
AP804B10*	2.54 / (64.5)	2.24 / (57)	1.36 / (34.5)	1.06 / (27)
AP805B16*	3.35 / (85)	3.05 / (77.5)	1.36 / (34.5)	1.06 / (27)
AP806B16*	3.35 / (85)	3.05 / (77.5)	1.36 / (34.5)	1.06 / (27)

*** DUAL MOUNTING**

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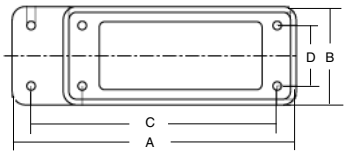
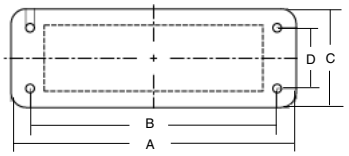
Size Adapter Plate: Selection Guide for Panel Installation



NOTE: ADAPTER PLATES ARE FOR USE WITH PANEL BASES IN SERIES B24, D64, DD108, M7, V10, AND V16	ADAPTER SIZE	CAT. NO.	DIMENSIONS ARE IN INCHES / (MILLIMETERS)			
			A	B	C	D
	B24 TO B6	**AP650B6**	5.90 / (150)	2.05 / (52)	5.12 / (130)	1.26 / (32)
	B24 TO B10	**AP651B10**	5.90 / (150)	2.05 / (52)	5.12 / (130)	1.26 / (32)
	B24 TO B16	**AP652B16**	5.90 / (150)	2.05 / (52)	5.12 / (130)	1.26 / (32)

Cover Plate Selection Guide



HOUSING SERIES					CAT. NO.	DIMENSIONS ARE IN INCHES / (MILLIMETERS)			
A, B, T, K	C, V	D	DD	M		A	B	C	D
A3, A4		D7, D8							
A10		D15			**CP684A10**	3.43 / (87)	2.76 / (70)	1.57 / (40)	.69 / (17.5)
A16		D25			**CP685A16**	3.94 / (100)	3.39 / (86)	1.77 / (45)	.69 / (17.5)
B6, T6			DD24	M2	**CP638B6**	3.39 / (86)	2.76 / (70)	2.05 / (52)	1.26 / (32)
B10, T10	V3		DD42	M3	**CP639B10**	4.02 / (102)	3.27 / (83)	2.05 / (52)	1.26 / (32)
B16, T16	C6, V6	D40	DD72	M5	**CP640B16**	4.84 / (123)	4.06 / (103)	2.05 / (52)	1.26 / (32)
B24, T24, K12	V10, V16	D64	DD108	M7	**CP641B24**	5.91 / (150)	5.12 / (130)	2.05 / (52)	1.26 / (32)

NOTE: COVER PLATES ARE FOR USE ON PANEL BASES ONLY

Gaskets

HOUSING SERIES					CAT. NOS.	
A, B, T, K	C, V	D	DD	M	PANEL BASE, FLAT	*MOLDED EDGE CONTOUR
A3, A4		D7, D8			**A04XFGP**	**A04XMEC**
A10		D15			**A10XFGP**	**A10XMEC**
A16		D25			**A16XFGP**	**A16XMEC**
A32		D50			**A32XFGP**	**A32XMEC**
B6, T6 ❑			DD24	M2	**B6XFGP**	**B6XMEC**
B10, T10 ❑	V3		DD42	M3	**B10XFGP**	**B10XMEC**
B16, T16 ❑	V6, C6	D40	DD72	M5	**B16XFGP**	**B16XMEC**
B24, T24 ❑, K12	V10, V16	D64	DD108	M7	**B24XFGP**	**B24XMEC**
B32	C12	D80	DD144		**B32XFGP**	**B32XMEC**
B48, K24	V20, V26, V32	D128	DD216		**B48XFGP**	**B48XMEC**

*** INSTALL WITH SILICONE SEALANT/ADHESIVE FOR INDUSTRIAL USE.**

❑ FOR T SERIES 200°C APPLICATIONS, SPECIFY CATALOG NUMBER AT RIGHT EXCEPT "T" PREFIX INSTEAD OF "B" FOR GASKETS.
EX: USE "T16XFGP" FOR PANEL BASE GASKETS.

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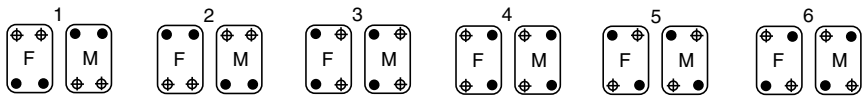
Multiple Installation Coding Options

Coding Pins, Guide Pins and Sleeves can be used in all series housings, with all inserts.

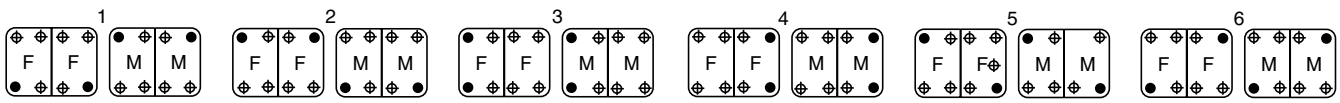
Coding Pin	
	PC600

Coding Pins: Used for rejection in multiple “same size or series” insert/hood installations. Patterns show examples of rejection coding pins installed.

Coding possibilities for single insert series



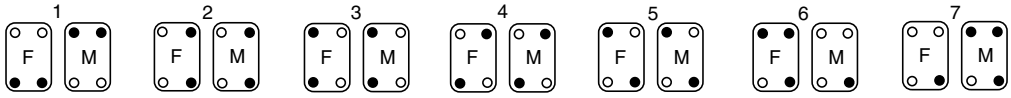
Coding possibilities for double insert series



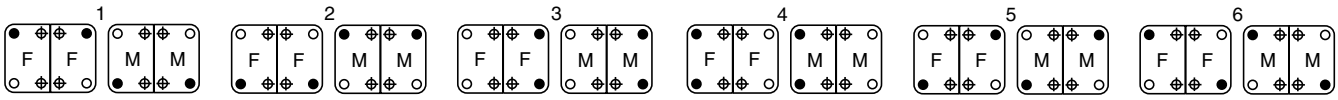
Guide Pin		Guide Sleeve	
	MG601		FG602

Guide Pins and Sleeves: Perform same function as coding pins and/or aid hi-density insert mating as well.

Coding possibilities for single insert series



Coding possibilities for double insert series



● – Male Guide Pins or Coding Pins

○ – Female Guide Sleeves

⊕ – Mounting Screw

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Supplied standard with all hoods and bases. Special sizes/hood combinations available.

Metric PG-to-N.P.T. Thread Adapters

Cat. No.	N.P.T. Thread (mating)	Thread (at housing)
PG11-38	⅜"	PG11
PG16-50	½"	PG16
PG21-75	¾"	PG21
PG29-100	1"	PG29
PG29-125	1¼"	PG29
PG36-125	1¼"	PG36
PG36-150	1½"	PG36
PG42-200	2"	PG42

Style may vary depending on size.

Metric Two-Screw Clamp Connectors

Cat. No.	Cable O.D. (in.) Min.	Cable O.D. (in.) Max.	Thread (at housing)
CC11-38	.400"	.470"	PG11
CC11-38P*	.250"	.325"	PG11
CC135-50	.400"	.535"	PG13.5
CC16-50	.455"	.625"	PG16
CC21-75	.513"	.815"	PG21
CC29-100	.800"	.175"	PG291
CC36-125	1.050"	.450"	PG361
CC42-150	1.500"	.800"	PG421

** Plastic*

Standard European style – can be specified/supplied with hoods and bases.

Metric Cord Grip Connectors

Cat. No.	Cable O.D. (in.) Min.	Cable O.D. (in.) Max.	Thread (at housing)
CG11-38	.200"	.470"	PG11
CG11-38P*	.325"	.340"	PG11
CG135-50	.285"	.545"	PG13.5
CG16-50	.285"	.625"	PG16
CG21-75	.395"	.790"	PG21
CG29-100	.780"	.060"	PG291
CG36-125	.960"	.375"	PG361
CG42-150	1.630"	.650"	PG421

** Plastic*

Conduit Entry Blind Plug

Cat. No.	Thread (at housing)
CXP722	PG13.5
CXP723	PG16
CXP724	PG21
CXP725	PG29
CXP726	PG36
CXP727	PG42

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Ribbon Cable Entry Strain Relief Kit for Hoods

Cat. No.	Description	Entry
RHK 601	One cable entry	40 x 5mm
RHK 602	Two cable entry	40 x 10mm
RHK 603	Three cable entry	40 x 15mm

Ribbon Cable Entry Strain Relief Kit for Bases

Cat. No.	Hub Size
RBK 708	PG 16
RBK 709	PG 21
RBK 710	PG 29
RBK 711	PG 36
RBK 712	PG 42

Other sizes available as specials.

Non-Metallic Cord Grip Fittings

NPT Threads	Cord Range		
Cat. No.	**In.**	**mm**	**Thread Size**
CC-NPT38-G	.197"-.394"	5-10mm	⅜"
CC-NPT12-G	.394"-.551"	10-14mm	½"
CC-NPT34-G	.512"-.709"	13-18mm	¾"
CC-NPT1-G	.709"-.984"	18-25mm	1"

PG Threads	Cord Range		
Cat. No.	**In.**	**mm**	**Thread Size**
CC-PG11-G	.197"-.394"	5-10mm	11
CC-PG135-G	.336"-.473"	6-12mm	13.5
CC-PG16-G	394"-.551"	10-14mm	16
CC-PG21-G	.512"-.709"	13-18mm	21
CC-PG29-G	.709"-.984"	18-25mm	29
CC-PG36-G	.867"-.1.26"	22-32mm	36

EM – Shielding Fitting (For externally shielded cable)

Cat. No.	Hub Size
GEM672	PG 13.5
GEM673	PG 16
GEM674	PG 21
GEM675	PG 29

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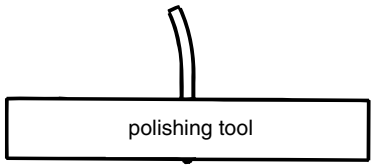
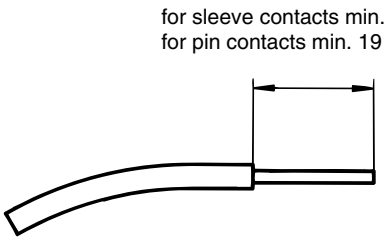
Instructions

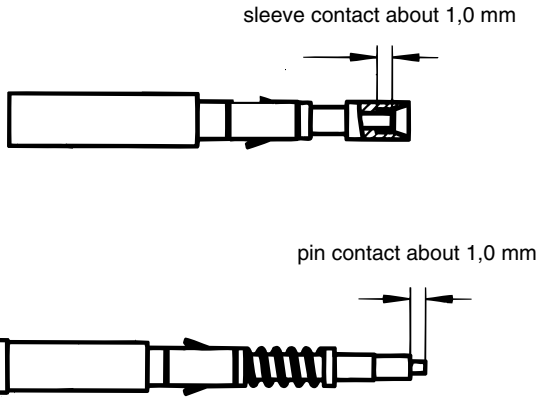
1. Before crimping the POF* cable, 1,0 mm to the glass fiber cable contact, the end of the fiber has to be polished. Stick end of POF* cable into polishing tool and grind on a plane surface (e.g. glass plate). Wipe off any residues after polishing. The best optical damping values are achieved with wet-polishing-procedure.



2. Strip 1,0 mm POF* cable on min. 14 mm for D sleeve contacts and min. 19 mm for D pin contacts.



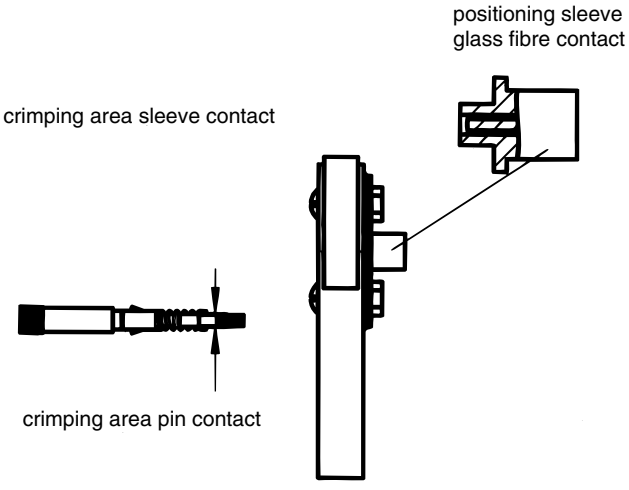
3. Insert stripped POF* cable in sleeve or pin contact until stop. The optical fiber should then stick about 1 mm out of the contact.



4. Optical Fiber crimping:
   Adjust the positioning sleeve into the corresponding inlet of the crimping tool with the stop screw at 1,45 mm (if necessary check with gauge pin, diameter 1,45 mm, with closed crimping tool).

   Insert the glass fiber cable contact together with the POF* cable through the crimp opening of the crimping tool into the positioning sleeve.

   By pressure on the contact the fiber inside the contact will be locked into the right position for the fiber crimping. Continue pressure until the release mechanism is heard.



POF = Polymer Optical Fiber

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For use in M10 Series Inserts

Crimp Tool — CT610F

4 Indent

Polishing Tool — FPT702

Glass Fiber Cable — FPS701

Positioning sleeve

Polishing Sheet — FSS703

1000 Grain

Stripper 1,0 mm — FST700

Male Pin — Female Sleeve

Look for more leading edge connections in the future from Pos-E-Kon.

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